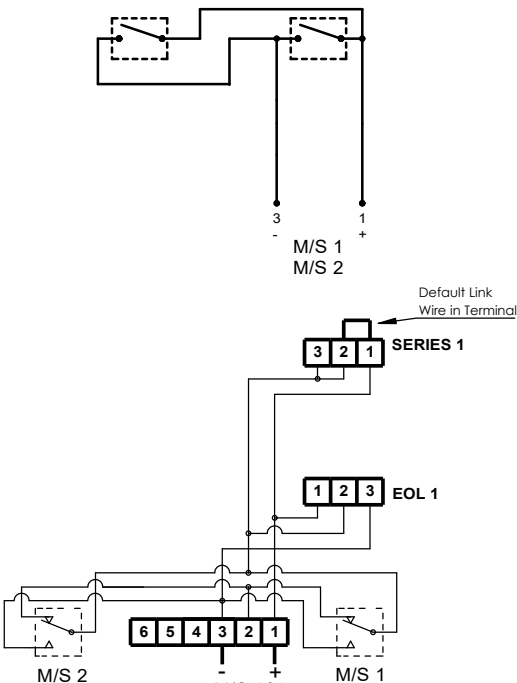
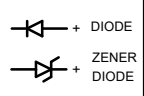
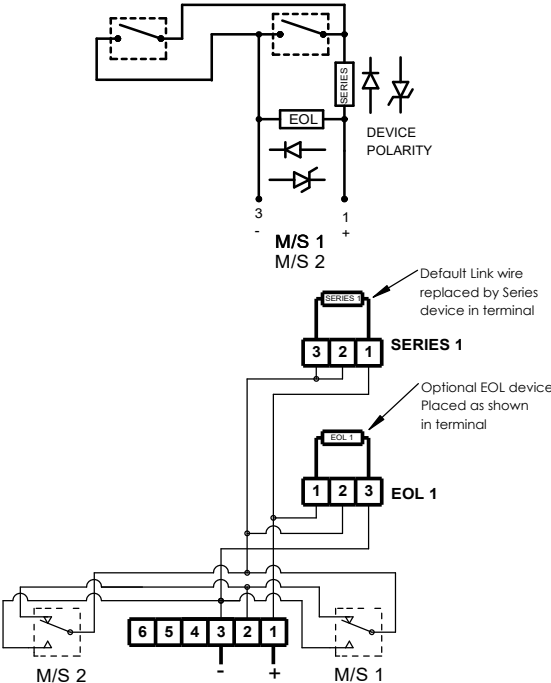
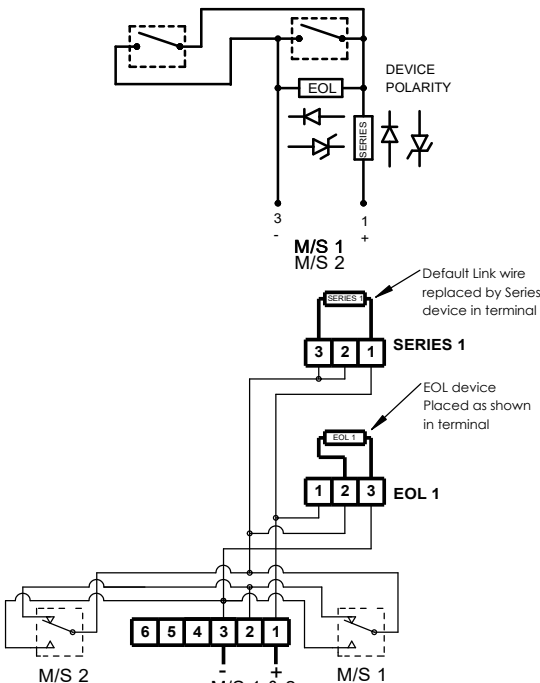
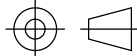


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| 1                                                                                                                                                                                                                                                                                                                                                        |  | 2                                                                                                                                                                                                                                                                                                                                                        |  | 3                                                                                                                                                                                                                                                                                                                                                        |  | 4                                                                                                                                                                                                                                                                                                                                                        |  | 5                                                                                                                                                                                                                                                                                                                                                        |                     | 6                                                                                                                                                                                                                                                                                                                                                                                          |  | 7                                                                                                                                                                                                                                                                                                                                                        |       | 8                                                          |         | 9                                                                  |                         | 10 |     |                                |   |  |                                                                                      |  |  |  |  |  |  |
| SINGLE MICROSWITCH DEVICES                                                                                                                                                                                                                                                                                                                               |  |                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                          |  | SHEET 1                                                                                                                                                                                                                                                                                                                                                  |  |                                                                                                                                                                                                                                                                                                                                                          |                     | Module Device Codes                                                                                                                                                                                                                                                                                                                                                                        |  |                                                                                                                                                                                                                                                                                                                                                          | ISSUE |                                                            | MOD No. |                                                                    | REASON - INITIAL - DATE |    |     |                                |   |  |                                                                                      |  |  |  |  |  |  |
| PRODUCTS:<br>GNExCP7, STExCP8                                                                                                                                                                                                                                                                                                                            |  | Diagram                                                                                                                                                                                                                                                                                                                                                  |  | Sheet                                                                                                                                                                                                                                                                                                                                                    |  | GNExCP7-BG[s][t][l][e][m][d][v][o][x][-][u][e][s]                                                                                                                                                                                                                                                                                                        |  |                                                                                                                                                                                                                                                                                                                                                          | LED Indicator [u]   |                                                                                                                                                                                                                                                                                                                                                                                            |  | Resistor                                                                                                                                                                                                                                                                                                                                                 |       | EOL                                                        |         | Series                                                             |                         | 1  |     | Introduction<br>RNP 02-02-2024 |   |  |                                                                                      |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                          |  | LED Indicator Wiring Configurations                                                                                                                                                                                                                                                                                                                      |  | 2,4                                                                                                                                                                                                                                                                                                                                                      |  | Switch Type [s]                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                          | Product Version [v] |                                                                                                                                                                                                                                                                                                                                                                                            |  | Product Option [o]                                                                                                                                                                                                                                                                                                                                       |       |                                                            | Diode   |                                                                    | ED1                     |    | SD1 |                                | 2 |  | ACN0178                                                                              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                          |  | Parallel Dual Switch Wiring Configurations                                                                                                                                                                                                                                                                                                               |  | 3,4                                                                                                                                                                                                                                                                                                                                                      |  | Terminals [t]                                                                                                                                                                                                                                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                          | EOL Module [e]      |                                                                                                                                                                                                                                                                                                                                                                                            |  | Zener Diode                                                                                                                                                                                                                                                                                                                                              |       |                                                            | ExxxZ   |                                                                    | SxxxZ                   |    |     |                                |   |  | LED C and L version clarified : LED mounted in N/O position on switch RNP 23-06-2025 |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                          |                     |                                                                                                                                                                                                                                                                                                                                                                                            |  | LED                                                                                                                                                                                                                                                                                                                                                      |       |                                                            | N/A     |                                                                    | L or C                  |    |     |                                |   |  |                                                                                      |  |  |  |  |  |  |
| SINGLE SWITCH                                                                                                                                                                                                                                                                                                                                            |  | CONFIG. P1 -1                                                                                                                                                                                                                                                                                                                                            |  | SINGLE SWITCH WITH SERIES DEVICE                                                                                                                                                                                                                                                                                                                         |  | CONFIG. P1-2                                                                                                                                                                                                                                                                                                                                             |  | SINGLE SWITCH WITH EOL & SERIES DEVICES                                                                                                                                                                                                                                                                                                                  |                     | CONFIG. P1-3                                                                                                                                                                                                                                                                                                                                                                               |  | SINGLE SWITCH WITH EOL & ALT SERIES DEVICES                                                                                                                                                                                                                                                                                                              |       | CONFIG. P1-4                                               |         |                                                                    |                         |    |     |                                |   |  |                                                                                      |  |  |  |  |  |  |
| SWITCH TYPE [s]<br>TERMINALS [t]<br>PRODUCT OPTION [o]<br>LED INDICATOR [u]                                                                                                                                                                                                                                                                              |  | [S]<br>[P]<br>[R]<br>[N]                                                                                                                                                                                                                                                                                                                                 |  | Single<br>PCB Version<br>With EOL/Series<br>NO LED                                                                                                                                                                                                                                                                                                       |  | [S]<br>[P]<br>[R]<br>[N]<br>[Exxxx]                                                                                                                                                                                                                                                                                                                      |  | Single<br>PCB Version<br>With EOL/Series<br>NO LED<br>EOL Device                                                                                                                                                                                                                                                                                         |                     | [S]<br>[P]<br>[R]<br>[N]<br>[Exxxx][Sxxxx]                                                                                                                                                                                                                                                                                                                                                 |  | Single<br>PCB Version<br>With EOL/Series<br>NO LED<br>EOL + Series                                                                                                                                                                                                                                                                                       |       | [S]<br>[P]<br>[W]<br>[N]<br>[Exxxx][Sxxxx]                 |         | Single<br>PCB Version<br>Alt. EOL Pos'n.<br>NO LED<br>EOL + Series |                         |    |     |                                |   |  |                                                                                      |  |  |  |  |  |  |
| <p>Note :- Use when EOL and/or series devices are fitted during installation, or if no series devices are required.</p>                                                                                                                                                                                                                                  |  |                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                          |                     |                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                          |       |                                                            |         |                                                                    |                         |    |     |                                |   |  |                                                                                      |  |  |  |  |  |  |
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| <p>Circuit as shown in Unoperated condition</p> <p>Unoperated Condition<br/>(Glass Intact / Standby Condition)<br/>Terminals +(1) &amp; -(3) M/S 1 open<br/>Terminals +(1) &amp; (2) M/S 1 closed</p> <p>Operated Condition<br/>(Glass Broken / Button pushes in)<br/>Terminals +(1) &amp; (2) M/S 1 open<br/>Terminals +(1) &amp; -(3) M/S 1 closed</p> |  | <p>Circuit as shown in Unoperated condition</p> <p>Unoperated Condition<br/>(Glass Intact / Standby Condition)<br/>Terminals +(1) &amp; -(3) M/S 1 open<br/>Terminals +(1) &amp; (2) M/S 1 closed</p> <p>Operated Condition<br/>(Glass Broken / Button pushes in)<br/>Terminals +(1) &amp; (2) M/S 1 open<br/>Terminals +(1) &amp; -(3) M/S 1 closed</p> |  | <p>Circuit as shown in Unoperated condition</p> <p>Unoperated Condition<br/>(Glass Intact / Standby Condition)<br/>Terminals +(1) &amp; -(3) M/S 1 open<br/>Terminals +(1) &amp; (2) M/S 1 closed</p> <p>Operated Condition<br/>(Glass Broken / Button pushes in)<br/>Terminals +(1) &amp; (2) M/S 1 open<br/>Terminals +(1) &amp; -(3) M/S 1 closed</p> |  | <p>Circuit as shown in Unoperated condition</p> <p>Unoperated Condition<br/>(Glass Intact / Standby Condition)<br/>Terminals +(1) &amp; -(3) M/S 1 open<br/>Terminals +(1) &amp; (2) M/S 1 closed</p> <p>Operated Condition<br/>(Glass Broken / Button pushes in)<br/>Terminals +(1) &amp; (2) M/S 1 open<br/>Terminals +(1) &amp; -(3) M/S 1 closed</p> |  | <p>Circuit as shown in Unoperated condition</p> <p>Unoperated Condition<br/>(Glass Intact / Standby Condition)<br/>Terminals +(1) &amp; -(3) M/S 1 open<br/>Terminals +(1) &amp; (2) M/S 1 closed</p> <p>Operated Condition<br/>(Glass Broken / Button pushes in)<br/>Terminals +(1) &amp; (2) M/S 1 open<br/>Terminals +(1) &amp; -(3) M/S 1 closed</p> |                     | <p>Circuit as shown in Unoperated condition</p> <p>Unoperated Condition<br/>(Glass Intact / Standby Condition)<br/>Terminals +(1) &amp; -(3) M/S 1 open<br/>Terminals +(1) &amp; (2) M/S 1 closed</p> <p>Operated Condition<br/>(Glass Broken / Button pushes in)<br/>Terminals +(1) &amp; (2) M/S 1 open<br/>Terminals +(1) &amp; -(3) M/S 1 closed</p>                                   |  | <p>Circuit as shown in Unoperated condition</p> <p>Unoperated Condition<br/>(Glass Intact / Standby Condition)<br/>Terminals +(1) &amp; -(3) M/S 1 open<br/>Terminals +(1) &amp; (2) M/S 1 closed</p> <p>Operated Condition<br/>(Glass Broken / Button pushes in)<br/>Terminals +(1) &amp; (2) M/S 1 open<br/>Terminals +(1) &amp; -(3) M/S 1 closed</p> |       |                                                            |         |                                                                    |                         |    |     |                                |   |  |                                                                                      |  |  |  |  |  |  |
| DRAWING TO BS8888:2000<br>GEOMETRIC TOLERANCES TO ISO1101:1983<br>LINEAR DIMENSIONAL TOLS<br>ANGULAR DIMENSIONAL TOLS                                                                                                                                                                                                                                    |  | DRAWN<br>R.N.POTTS<br>02-02-2024                                                                                                                                                                                                                                                                                                                         |  | DATE                                                                                                                                                                                                                                                                                                                                                     |  | SURFACE FINISH                                                                                                                                                                                                                                                                                                                                           |  | WEIGHT (Kg)                                                                                                                                                                                                                                                                                                                                              |                     | THIS DRAWING AND ANY INFORMATION OR DESCRIPTIVE MATTER THEREIN IS COMMUNICATED IN CONFIDENCE AND IS THE COPYRIGHT PROPERTY OF EUROPEAN SAFETY SYSTEMS LTD. NEITHER THE WHOLE OR ANY EXTRACT MAY BE DISCLOSED, LOANED, COPIED OR USED FOR MANUFACTURING OR TENDERING PURPOSES WITHOUT THEIR WRITTEN CONSENT.<br><br>EUROPEAN SAFETY SYSTEMS LTD.<br>AS PER LATEST DATE OF ISSUE SHOWN ABOVE |  | <br>EUROPEAN SAFETY SYSTEMS LTD<br>IMPRESS HOUSE<br>MANSELL ROAD<br>ACTON<br>LONDON W3 7QH<br>WWW.E2S.COM                                                                                                                                                                                                                                                |       | ALL DIMENSIONS IN MM<br>IF IN DOUBT, ASK -<br>DO NOT SCALE |         |                                                                    |                         | A3 |     |                                |   |  |                                                                                      |  |  |  |  |  |  |
| STANDARDS<br>GNExCP7-IR and<br>STExCP8-IR units<br>with PCB                                                                                                                                                                                                                                                                                              |  | CHECKED<br>B.ISARD<br>02-02-2024                                                                                                                                                                                                                                                                                                                         |  | DATE                                                                                                                                                                                                                                                                                                                                                     |  | MATERIAL                                                                                                                                                                                                                                                                                                                                                 |  |                                                                                                                                                                                                                                                                                                                                                          |                     |                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                          |       |                                                            |         |                                                                    |                         |    |     |                                |   |  |                                                                                      |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                          |  | APPROVED<br>R.N.POTTS<br>02-02-2024                                                                                                                                                                                                                                                                                                                      |  | DATE                                                                                                                                                                                                                                                                                                                                                     |  | ALTERNATIVE MATERIAL                                                                                                                                                                                                                                                                                                                                     |  |                                                                                                                                                                                                                                                                                                                                                          |                     |                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                          |       |                                                            |         |                                                                    |                         |    |     |                                |   |  |                                                                                      |  |  |  |  |  |  |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                                       |  |                                                                                                                       |  | Switch Type [s] Terminals [t] Product Version [v] Product Option [o] LED Indicator [u] Series Module [s] EOL Module [e]             |  |                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                               |  | Diode                                                                                                                               |  | 2                                                                     |  | ACN0178                                                                              |  | LED C and L version clarified ; LED mounted in N/O position on switch RNP 04-04-2025                                                |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                                       |  |                                                                                                                       |  |                                                                                                                                     |  |                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                               |  | Zener Diode                                                                                                                         |  |                                                                       |  |                                                                                      |  |                                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                                       |  |                                                                                                                       |  |                                                                                                                                     |  |                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                               |  | LED                                                                                                                                 |  |                                                                       |  |                                                                                      |  |                                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |
| SINGLE SWITCH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | CONFIG. P4 -1                                         |  | SINGLE SWITCH WITH SERIES DEVICES                                                                                     |  | CONFIG. P4-2                                                                                                                        |  | SINGLE SWITCH WITH EOL & SERIES DEVICES                                                                                      |  | CONFIG. P4-3                                                                                                                                                                                                                                                                                                                  |  | SINGLE SWITCH WITH EOL & ALT SERIES DEVICES                                                                                         |  | CONFIG. P4-4                                                          |  |                                                                                      |  |                                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |
| SWITCH TYPE [s] [S]<br>TERMINALS [t] [P]<br>PRODUCT OPTION [o] [R]<br>LED INDICATOR [u] [L]                                                                                                                                                                                                                                                                                                                                                                                                         |  | Single PCB Version<br>With EOL/Series<br>LED with RL1 |  | SWITCH TYPE [s] [S]<br>TERMINALS [t] [P]<br>PRODUCT OPTION [o] [R]<br>LED INDICATOR [u] [L]<br>EOL MODULE [e] [Exxxx] |  | Single PCB Version<br>With EOL/Series<br>LED with RL1<br>EOL Device                                                                 |  | SWITCH TYPE [s] [S]<br>TERMINALS [t] [P]<br>PRODUCT OPTION [o] [R]<br>LED INDICATOR [u] [L]<br>MODULES [e][s] [Exxxx][Sxxxx] |  | Single PCB Version<br>With EOL/Series<br>LED with RL1<br>EOL + Series                                                                                                                                                                                                                                                         |  | SWITCH TYPE [s] [S]<br>TERMINALS [t] [P]<br>PRODUCT OPTION [o] [W]<br>LED INDICATOR [u] [L]<br>MODULE [e][s] [Exxxx][Sxxxx]         |  | Single PCB Version<br>Alt. EOL Pos'n.<br>LED with RL1<br>EOL + Series |  |                                                                                      |  |                                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |
| Notes - For all LED Options:<br><br>1) The LED is configured as LED indicator option 'C' for this version the LED must be protected by a series resistor of a minimum value of 1.5K Ohm or by limiting the systems current to 20mA max<br><br>2) Units have the option to add the LED current-limiting resistor RL1 LED indicator option 'L' which is 1.5K Ohms.<br><br>3) Note that in both cases the total value of the series resistors and if fitted RL1 will impact the brightness of the LED. |  |                                                       |  |                                                                                                                       |  |                                                                                                                                     |  |                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                               |  |                                                                                                                                     |  |                                                                       |  |                                                                                      |  |                                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                                       |  |                                                                                                                       |  |                                                                                                                                     |  |                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                               |  |                                                                                                                                     |  |                                                                       |  |                                                                                      |  |                                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |
| Circuit as shown in Unoperated condition                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                       |  |                                                                                                                       |  | Circuit as shown in Unoperated condition                                                                                            |  |                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                               |  | Circuit as shown in Unoperated condition                                                                                            |  |                                                                       |  |                                                                                      |  | Circuit as shown in Unoperated condition                                                                                            |  |  |  |  |  |  |  |  |  |  |  |
| Unoperated Condition<br>(Glass Intact / Standby Condition)<br>Terminals +(1) & -(3) M/S 1 open<br>Terminals +(1) & (2) M/S 1 closed                                                                                                                                                                                                                                                                                                                                                                 |  |                                                       |  |                                                                                                                       |  | Unoperated Condition<br>(Glass Intact / Standby Condition)<br>Terminals +(1) & -(3) M/S 1 open<br>Terminals +(1) & (2) M/S 1 closed |  |                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                               |  | Unoperated Condition<br>(Glass Intact / Standby Condition)<br>Terminals +(1) & -(3) M/S 1 open<br>Terminals +(1) & (2) M/S 1 closed |  |                                                                       |  |                                                                                      |  | Unoperated Condition<br>(Glass Intact / Standby Condition)<br>Terminals +(1) & -(3) M/S 1 open<br>Terminals +(1) & (2) M/S 1 closed |  |  |  |  |  |  |  |  |  |  |  |
| Operated Condition<br>(Glass Broken / Button pushes in)<br>Terminals +(1) & (2) M/S 1 open<br>Terminals +(1) & -(3) M/S 1 closed                                                                                                                                                                                                                                                                                                                                                                    |  |                                                       |  |                                                                                                                       |  | Operated Condition<br>(Glass Broken / Button pushes in)<br>Terminals +(1) & (2) M/S 1 open<br>Terminals +(1) & -(3) M/S 1 closed    |  |                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                               |  | Operated Condition<br>(Glass Broken / Button pushes in)<br>Terminals +(1) & (2) M/S 1 open<br>Terminals +(1) & -(3) M/S 1 closed    |  |                                                                       |  |                                                                                      |  | Operated Condition<br>(Glass Broken / Button pushes in)<br>Terminals +(1) & (2) M/S 1 open<br>Terminals +(1) & -(3) M/S 1 closed    |  |  |  |  |  |  |  |  |  |  |  |
| DRAWING TO BS8888:2000<br>GEOMETRIC TOLERANCES TO ISO1101:1983<br>LINEAR DIMENSIONAL TOLS<br>ANGULAR DIMENSIONAL TOLS                                                                                                                                                                                                                                                                                                                                                                               |  |                                                       |  |                                                                                                                       |  | DRAWN<br>R.N.POTTS<br>DATE<br>02-02-2024                                                                                            |  | SURFACE FINISH<br>WEIGHT (Kg)                                                                                                |  | THIS DRAWING AND ANY INFORMATION OR DESCRIPTIVE<br>MATTER THEREIN IS COMMUNICATED IN CONFIDENCE AND<br>IS THE COPYRIGHT PROPERTY OF EUROPEAN SAFETY<br>SYSTEMS LTD. NEITHER THE WHOLE OR ANY EXTRACT MAY<br>BE DISCLOSED, LOANED, COPIED OR USED FOR<br>MANUFACTURING OR TENDERING PURPOSES WITHOUT THEIR<br>WRITTEN CONSENT. |  |                                                                                                                                     |  |                                                                       |  | ALL DIMENSIONS IN MM<br>IF IN DOUBT, ASK -<br>DO NOT SCALE                           |  | A3                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |
| STANDARDS<br>GNExCP7-IR and<br>STEXCP8-IR units<br>with PCB                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                       |  |                                                                                                                       |  | CHECKED<br>B.ISARD<br>DATE<br>02-02-2024                                                                                            |  | MATERIAL                                                                                                                     |  | EUROPEAN SAFETY SYSTEMS LTD.<br>AS PER LATEST DATE OF ISSUE SHOWN ABOVE                                                                                                                                                                                                                                                       |  |                                                                                                                                     |  |                                                                       |  | TITLE<br>GNExCP7-IR & STExCP8-IR IS CALL POINT<br>WIRING / CIRCUIT OPERATION DIAGRAM |  |                                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |
| APPROVED<br>R.N.POTTS<br>DATE<br>02-02-2024                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                       |  |                                                                                                                       |  | ALTERNATIVE MATERIAL                                                                                                                |  | C                                                                                                                            |  | SCALE<br>NTS                                                                                                                                                                                                                                                                                                                  |  |                                                                                                                                     |  |                                                                       |  | SHEET<br>2 OF 4                                                                      |  | DRAWING NUMBER<br>D202-06-502                                                                                                       |  |  |  |  |  |  |  |  |  |  |  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |   |  |   |  |                                                                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                      |  |                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |                                                                                                                              |         |             |                         |                                                                                                                                                                                                |  |                                                                  |  |                                                                                       |  |                               |  |                                                                                      |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---|--|---|--|-----------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------|--|--------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------|---------|-------------|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|-------------------------------|--|--------------------------------------------------------------------------------------|--|--|--|
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | 2 |  | 3 |  | 4                                                                                 |  | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | 6                    |  | 7                                                                                    |  | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       | 9                                                                                                                            |         | 10          |                         |                                                                                                                                                                                                |  |                                                                  |  |                                                                                       |  |                               |  |                                                                                      |  |  |  |
| DUAL MICROSWITCH IN PARALLEL, & DEVICES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |   |  |   |  | SHEET 3                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                      |  | Module Device Codes                                                                  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ISSUE |                                                                                                                              | MOD No. |             | REASON - INITIAL - DATE |                                                                                                                                                                                                |  |                                                                  |  |                                                                                       |  |                               |  |                                                                                      |  |  |  |
| Notes:<br>1. Units have the option to remove the LED current-limiting resistor RL1 option 'L' using LED option 'C'. In all other cases shown RL1 is included.                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |   |  |   |  | GNEXCP7-BG[s][t][l][e][m][d][v][o][x][u][e][s]                                    |  | LED Indicator [u]                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | Series               |  | Resistor                                                                             |  | EOL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       | SxxxR                                                                                                                        |         | 1           |                         | Introduction RNP 02-02-2024                                                                                                                                                                    |  |                                                                  |  |                                                                                       |  |                               |  |                                                                                      |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |   |  |   |  | Switch Type [s]                                                                   |  | Terminals [t]                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | Product Version [v]  |  | Product Option [o]                                                                   |  | EOL Module [e]                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       | Module [s]                                                                                                                   |         | Diode       |                         | ED1                                                                                                                                                                                            |  | SD1                                                              |  | 2                                                                                     |  | ACN0178                       |  | LED C and L version clarified ; LED mounted in N/O position on switch RNP 04-04-2025 |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |   |  |   |  |                                                                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                      |  |                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |                                                                                                                              |         | Zener Diode |                         | ExxxZ                                                                                                                                                                                          |  | SxxxZ                                                            |  |                                                                                       |  |                               |  |                                                                                      |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |   |  |   |  |                                                                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                      |  |                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |                                                                                                                              |         | LED         |                         | N/A                                                                                                                                                                                            |  | L or C                                                           |  |                                                                                       |  |                               |  |                                                                                      |  |  |  |
| DUAL SWITCH PARALLEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |   |  |   |  | CONFIG. P7-1                                                                      |  | DUAL SWITCH, PARALLEL WITH EOL & SERIES DEVICES                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                      |  |                                                                                      |  | CONFIG. P7-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | DUAL SWITCH, PARALLEL WITH EOL & ALT. SERIES DEVICES                                                                         |         |             |                         |                                                                                                                                                                                                |  | CONFIG. P7-3                                                     |  |                                                                                       |  |                               |  |                                                                                      |  |  |  |
| SWITCH TYPE [s] [D]<br>TERMINALS [t] [P]<br>PRODUCT OPTION [o] [R]<br>LED INDICATOR [u] [N]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |   |  |   |  | Dual<br>PCB Version<br>With EOL/Series<br>No LED                                  |  | SWITCH TYPE [s] [D]<br>TERMINALS [t] [P]<br>PRODUCT OPTION [o] [R]<br>LED INDICATOR [u] [N]<br>MODULES [e][s] [Exxxx][Sxxxx]                                                                                                                                                                                                                                                                                                                                                         |  |                      |  |                                                                                      |  | Dual<br>PCB Version<br>With EOL/Series<br>No LED<br>EOL + Series                                                                                                                                                                                                                                                                                                                                                                                                                      |       | SWITCH TYPE [s] [D]<br>TERMINALS [t] [P]<br>PRODUCT OPTION [o] [W]<br>LED INDICATOR [u] [N]<br>MODULES [e][s] [Exxxx][Sxxxx] |         |             |                         |                                                                                                                                                                                                |  | Dual<br>PCB Version<br>Alt. EOL Pos'n.<br>No LED<br>EOL + Series |  |                                                                                       |  |                               |  |                                                                                      |  |  |  |
| <p>Note :- Use when EOL and/or series devices are fitted during installation, or if no series devices are required.</p>  <p>Circuit as shown in Unoperated condition</p> <p>Unoperated Condition<br/>(Glass Intact / Standby Condition)<br/>Terminals +(1) &amp; -(3) M/S 1 and M/S 2 open<br/>Terminals +(1) &amp; (2) M/S 1 and M/S 2 closed</p> <p>Operated Condition<br/>(Glass Broken / Button pushes in)<br/>Terminals +(1) &amp; (2) M/S 1 and M/S 2 open<br/>Terminals +(1) &amp; -(3) M/S 1 and M/S 2 closed</p> |  |   |  |   |  |  |  |  <p>Circuit as shown in Unoperated condition</p> <p>Unoperated Condition<br/>(Glass Intact / Standby Condition)<br/>Terminals +(1) &amp; -(3) M/S 1 and M/S 2 open<br/>Terminals +(1) &amp; (2) M/S 1 and M/S 2 closed</p> <p>Operated Condition<br/>(Glass Broken / Button pushes in)<br/>Terminals +(1) &amp; (2) M/S 1 and M/S 2 open<br/>Terminals +(1) &amp; -(3) M/S 1 and M/S 2 closed</p> |  |                      |  |                                                                                      |  |  <p>Circuit as shown in Unoperated condition</p> <p>Unoperated Condition<br/>(Glass Intact / Standby Condition)<br/>Terminals +(1) &amp; -(3) M/S 1 and M/S 2 open<br/>Terminals +(1) &amp; (2) M/S 1 and M/S 2 closed</p> <p>Operated Condition<br/>(Glass Broken / Button pushes in)<br/>Terminals +(1) &amp; (2) M/S 1 and M/S 2 open<br/>Terminals +(1) &amp; -(3) M/S 1 and M/S 2 closed</p> |       |                                                                                                                              |         |             |                         |                                                                                                                                                                                                |  |                                                                  |  |                                                                                       |  |                               |  |                                                                                      |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |   |  |   |  |                                                                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                      |  |                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |                                                                                                                              |         |             |                         |                                                                                                                                                                                                |  |                                                                  |  |                                                                                       |  |                               |  |                                                                                      |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |   |  |   |  |                                                                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                      |  |                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |                                                                                                                              |         |             |                         |                                                                                                                                                                                                |  |                                                                  |  |                                                                                       |  |                               |  |                                                                                      |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |   |  |   |  |                                                                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                      |  |                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |                                                                                                                              |         |             |                         |                                                                                                                                                                                                |  |                                                                  |  |                                                                                       |  |                               |  |                                                                                      |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |   |  |   |  |                                                                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                      |  |                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |                                                                                                                              |         |             |                         |                                                                                                                                                                                                |  |                                                                  |  |                                                                                       |  |                               |  |                                                                                      |  |  |  |
| DRAWING TO BS8888:2000<br>GEOMETRIC TOLERANCES TO ISO1101:1983<br>ANGULAR DIMENSIONAL TOLS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |   |  |   |  | DRAWN<br>R.N.POTTS<br>02-02-2024                                                  |  | DATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | SURFACE FINISH       |  | WEIGHT (Kg)                                                                          |  | THIS DRAWING AND ANY INFORMATION OR DESCRIPTIVE MATTER THEREIN IS COMMUNICATED IN CONFIDENCE AND IS THE COPYRIGHT PROPERTY OF EUROPEAN SAFETY SYSTEMS LTD. NEITHER THE WHOLE OR ANY EXTRACT MAY BE DISCLOSED, LOANED, COPIED OR USED FOR MANUFACTURING OR TENDERING PURPOSES WITHOUT THEIR WRITTEN CONSENT.<br><br>EUROPEAN SAFETY SYSTEMS LTD.<br>AS PER LATEST DATE OF ISSUE SHOWN ABOVE                                                                                            |       |                                                                                                                              |         |             |                         | <br>EUROPEAN SAFETY SYSTEMS LTD<br>IMPRESS HOUSE<br>MANSELL ROAD<br>ACTON<br>LONDON W3 7QH<br>WWW.E2S.COM |  | ALL DIMENSIONS IN MM<br>IF IN DOUBT, ASK -<br>DO NOT SCALE       |  |  |  | A3                            |  |                                                                                      |  |  |  |
| STANDARDS<br>GNExCP7-IR and<br>STEXCP8-IR units<br>with PCB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |   |  |   |  | CHECKED<br>B.ISARD<br>02-02-2024                                                  |  | DATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | MATERIAL             |  | TITLE<br>GNExCP7-IR & STExCP8-IR IS CALL POINT<br>WIRING / CIRCUIT OPERATION DIAGRAM |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |                                                                                                                              |         |             |                         |                                                                                                                                                                                                |  | SCALE<br>NTS                                                     |  | SHEET<br>3 OF 4                                                                       |  | DRAWING NUMBER<br>D202-06-502 |  |                                                                                      |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |   |  |   |  | APPROVED<br>R.N.POTTS<br>02-02-2024                                               |  | DATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | ALTERNATIVE MATERIAL |  |                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |                                                                                                                              |         |             |                         |                                                                                                                                                                                                |  |                                                                  |  |                                                                                       |  |                               |  |                                                                                      |  |  |  |

