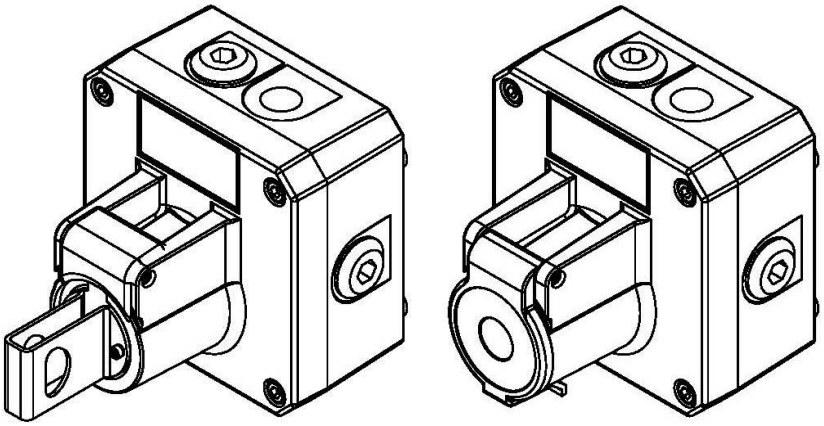
INSTRUCTION MANUAL (WEATHER PROOF)
WP7 PB/PM/PT CALL POINTS



1) Certification & Ratings

All units have a rating label, which carries the following important information: -

Model No.: WP7-PB-S (Single Switch)
WP7-PB-D (Dual Switch)

WP7-PM-S (Single Switch)
WP7-PM-D (Dual Switch)

WP7-PT-S (Single Switch)
WP7-PT-D (Dual Switch)

CE Marking CE

UKCA Marking UK CA

IP Rating: IP66/67 to EN/IEC60529

Ambient Temperature Range: -55°C to +75°C

2) Location and Mounting

The location of the call point should enable ease of access for operation and testing. The unit should be mounted using the 4 off fixing holes which will accept up to M5 sized fixings. They should only be fixed to services that can carry the weight of the unit.
To gain access to the mounting holes in the base the front cover must be removed. See Section 3.

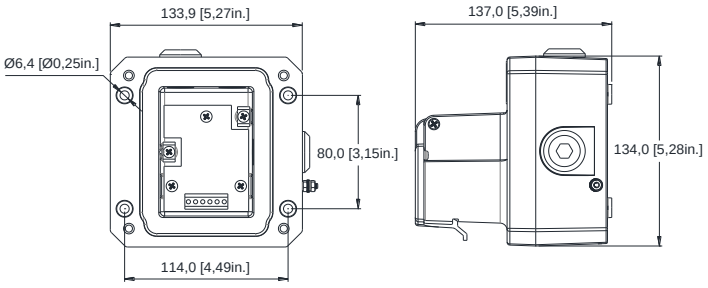


Fig. 1 View of base unit showing fixing centres (in mm).

3) Access to the Enclosure

Warning – High voltage may be present, risk of electric shock. DO NOT open when energised, disconnect power before opening.

To access the chamber, remove the four off M6 x 50 stainless steel cap head cover bolts

Once the screws are removed the cover will hang down out of the way to gain access to the terminals, the internal earth terminal and mounting hole recesses.

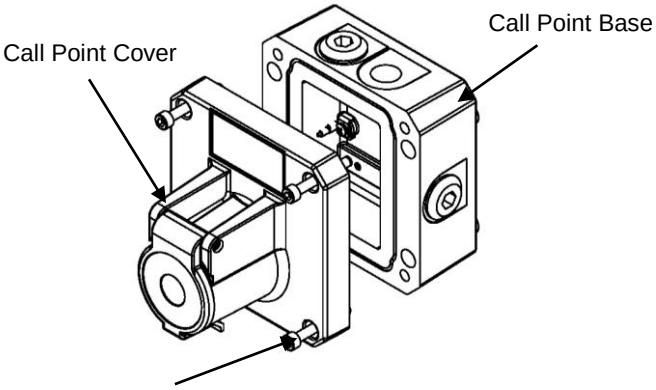


Fig. 2 Accessing the Explosion proof Enclosure.

Check that the earth bonding wire between the two castings is secure and the 'O' ring seal is in place.

4) Earthing

The units are provided with internal and external earth terminals which are mounted in the base of the unit.

Internal earthing connections should be made to the Internal Earth terminal in the base of the housing using a ring crimp terminal to secure the earth conductor under the earth clamp. The earth conductor should be at least equal in size and rating to the incoming power conductors.
When using the internal earth terminal ensure that the stainless steel M4 flat washer is between the incoming earth wire and the enclosure.

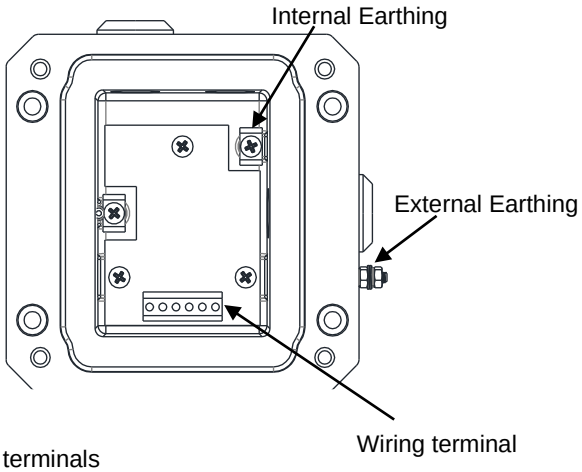


Fig 3 Earth terminals

5) Power Supply Selection

Electrical Ratings

Input Voltage:
AC voltage 250V Max Current 5.0A Max
DC voltage 75V Max Current 0.75A Max
DC voltage 50V Max Current 1.0A Max
DC voltage 30V Max Current 5.0A Max Resistive Load; Inductive Load 3.0A Max
DC voltage 12V Max Current 5.0A Max

Electrical connections are to be made into the terminal blocks / DIN rail provided. See Section 8 for wiring options.

6) Selection of Cable. Cable Glands, Blanking Elements & Adapters

The cable gland entries have an M20 x 1.5 entry thread.

The WP7 Call Point range can be supplied with the following types of adapters:

M20 to ½" NPT
M20 to ¾" NPT
M20 to M25

7) Cable Connections

Electrical Connections are to be made into the terminal blocks using solid or stranded wire. See section 3 of this manual for access to the enclosure.

Wires having a cross sectional area between 0.5 mm² to 2.5mm² (AWG 20 – 14) can be connected to each terminal way.

If an input and output wire is required the 2-off Live/Neutral or +/- terminals can be used. If fitting 2-off wires to one terminal way the sum of the 2-off wires must be a maximum cross sectional area of 2.5mm².

Strip wires to 8mm. Wires may also be fitted using ferrules.

Terminal screws need to be tightened down with a tightening torque of 0.45 Nm / 5 Lb-in.

When connecting wires to the terminals great care should be taken to dress the wires so that when the cover is inserted into the chamber the wires do not exert excess pressure on the terminal blocks. This is particularly important when using cables with large cross sectional areas such as 2.5mm².

8) Wiring Unit

The units come with two options for the terminal block.

A DIN rail version which has 8-way connection and allows for full configuration at factory or limited wiring of EOL devices by customer.
The PCB Terminal Version has a 6-way connector but is designed to allow for full configuration with Series and EOL devices in a number of wiring configurations.

For EOL and Series device limitations and configurations see Section 9.
For full wiring details see wiring schematic D234-06-001.

Wiring Connections for 8-Way DIN Rail

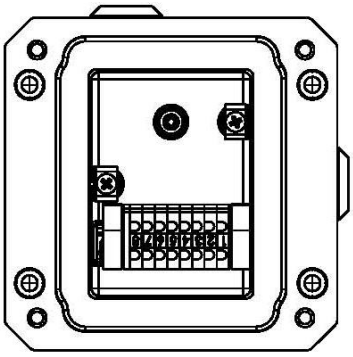


Fig. 4 DIN Rail in Base

Wiring Connections For 6-Way PCB Terminal Board

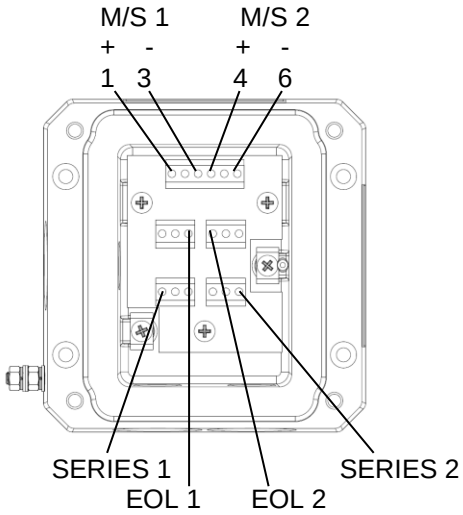


Fig. 5 PCB Terminal Block in Base

See section 9 and pages 5, 6 & 7 for details of adding Series and EOL devices on the PCB. This can either be done at the order stage or added to the correct terminal blocks afterward.

9) End-of-Line and Series Devices

All models can be fitted with series resistors, end-of-line monitoring resistors, monitoring diodes, zener diodes and also specific customer modules if supplied with direct current up to 50Vdc.

The following table 1 shows limitations for all possible variations:

	Suggested EOL/ Series Device Type
Type of component fitted	**Value**
End-of-Line Resistor	330Ω Suggested Min.
End-of-Line Diode Type 1N5401	2W
Series Resistor	330Ω Suggested Min.
Series Zener Diode Type 1N5333B Suggested Sizes	3.3V
	4.7V
	5.1V
	5.6V
	6.2V
	6.8V
	10V
	12V

EOL (End of line) device;

- resistor – ExxxR
- diode – ED1
- zener – ExxxZ

Series (In line) device;

- resistor – SxxxR
- diode – SD1
- zener – SxxxZ
- LED

Microswitch 1 = M/S 1
Microswitch 2 = M/S 2

The unit can be wired with a maximum of 4 module devices. Please refer to wiring schematic D234-06-001

When customer is fitting EOL or Series device ensure device leads are insulated or routed so not to create an electrical short.

10) Testing unit operation

The push button types -PB -PT and -PM are all operated by pressing in the main plunger down activating the switch.

The -PB plunger needs to be firstly twisted by 90 degrees clockwise to position shown and then pressed in.

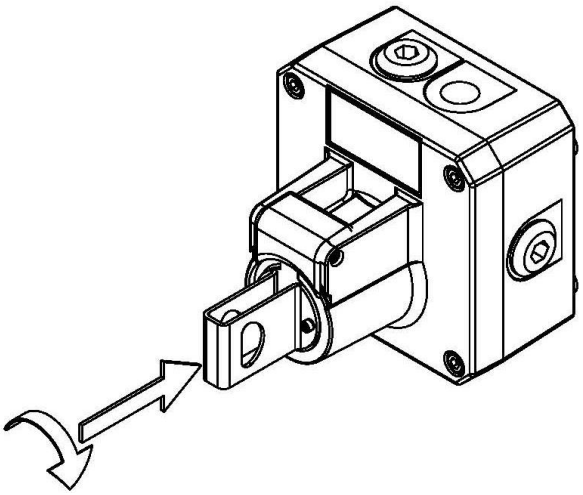


Fig 6 -PB Version Twist and Push Action

The -PM and -PT need to have the protective flip lid opened first and then the main plunger pressed in.

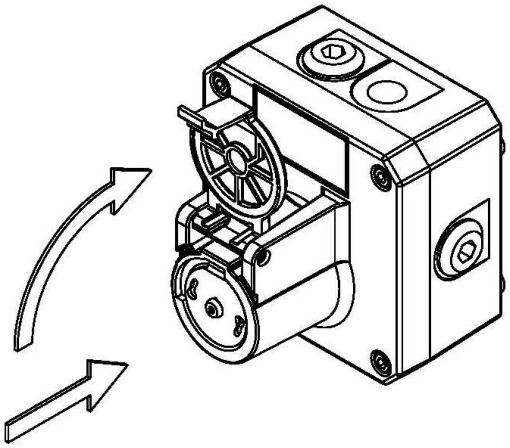
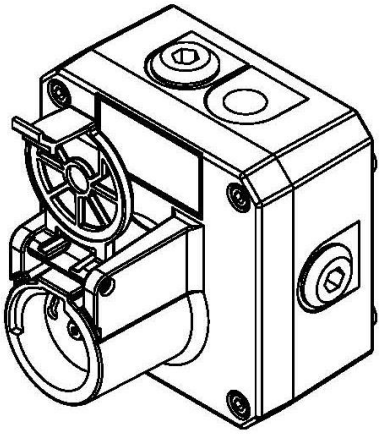


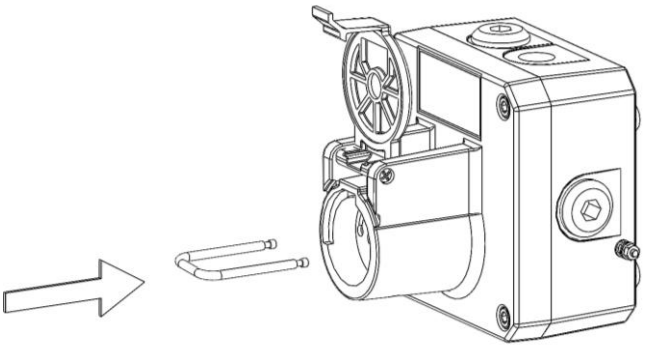
Fig 7 -PT & -PM Versions Push Action

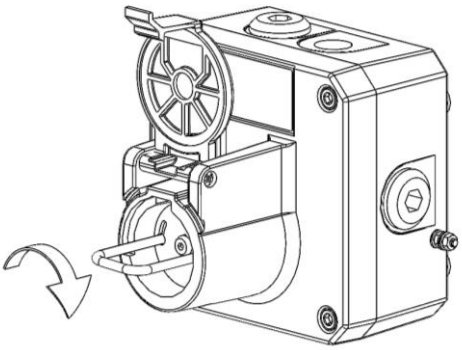
On –PM versions the operation is momentary and as such the plunger will reset automatically once the pressure on the plunger is released.

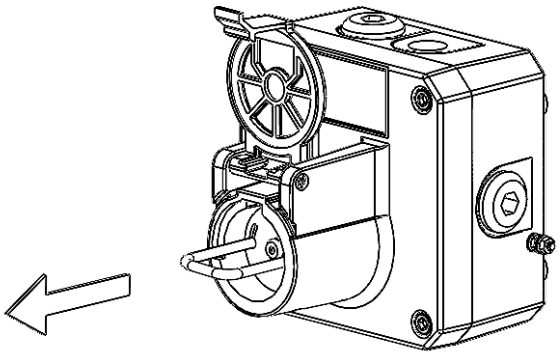


On -PB the plunger will remain in the down position until the unit is reset. This is done by pulling the plunger back up to the start position shown in fig 6. Then the plunger is twisted back 90 degrees anti-clockwise to the stop.

On -PT the plunger will remain in the down position until the unit is reset. This is done by lifting the plunger back up using the tool reset key provided.







SINGLE MICROSWITCH DEVICES

SHEET 1

PRODUCTS:
GNExCP7, STExCP8
& WP7

Diagram	Sheet
Dual Switch Wiring Configurations	2,3,5,6,7,8
LED Indicator Wiring Configurations	4,5,6,8
Parallel Dual Switch Wiring Configurations	7, 8

GNEXCP7-BG[s][t][l][e][m][d][v][o][x][u]-[v][e][s]

- [u] LED Indicator
- [s] Switch Type
- [t] Terminals
- [v] Product Version
- [o] Product Option
- [e] EOL Module
- [s] Series Module

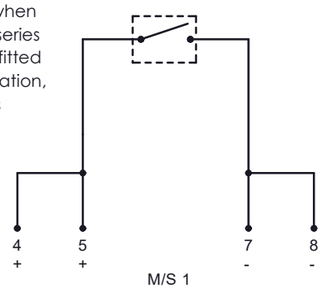
Module Device Codes	EOL	Series
Resistor	ExxxR	SxxxR
Diode	ED1	SD1
Zener Diode	ExxxZ	SxxxZ
LED	N/A	L or C

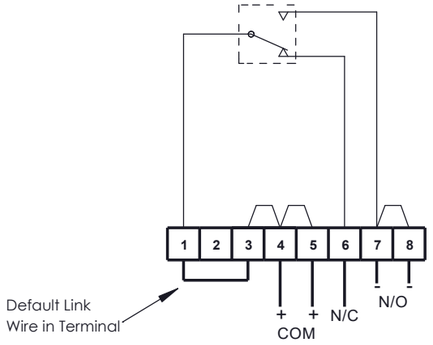
ISSUE	MOD No.	REASON - INITIAL - DATE
5	ACN0102	Addition of BG version ; Options clarified RNP 15-04-2022
6	ACN0127	Configuration coding added and aligned with other call points. LED options added ; PCB page moved to new document. RNP 14-07-2023

SINGLE SWITCH — CONFIG. D1-1

SWITCH TYPE [s]	[S]	Single
TERMINALS [t]	[D]	DIN Rail
PRODUCT OPTION [o]	[1]	Default
LED INDICATOR [u]	[N]	NO LED

Note :- Use when EOL and/or series devices are fitted during installation, or if no series devices are required.





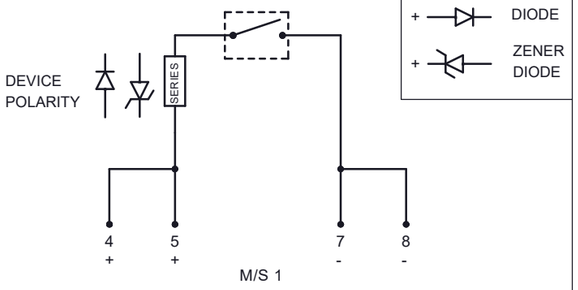
Circuit shown in Unoperated condition

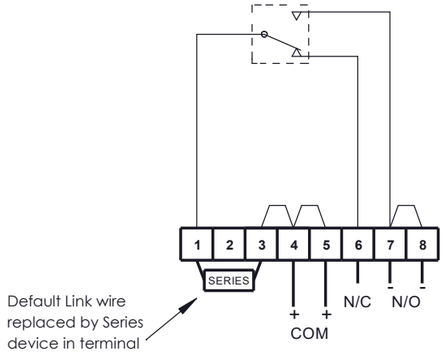
Unoperated condition
(Glass Intact / Standby Condition)
Terminals +(4,5) & -(7,8) open
Terminals +(4,5) & (6) closed

Operated condition
(Glass Broken / Button pushed in)
Terminals +(4,5) & -(7,8) closed
Terminals +(4,5) & (6) open

SINGLE SWITCH WITH SERIES DEVICE — CONFIG. D1-2

SWITCH TYPE [s]	[S]	Single
TERMINALS [t]	[D]	DIN Rail
PRODUCT OPTION [o]	[1]	Default
LED INDICATOR [u]	[N]	NO LED
SERIES MODULE [s]	[Sxxxx]	Series Device





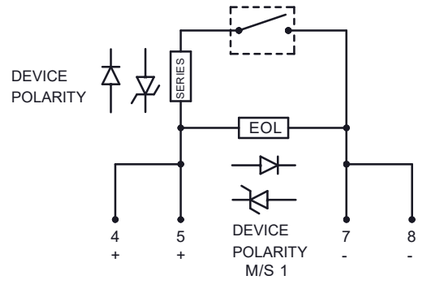
Circuit shown in Unoperated condition

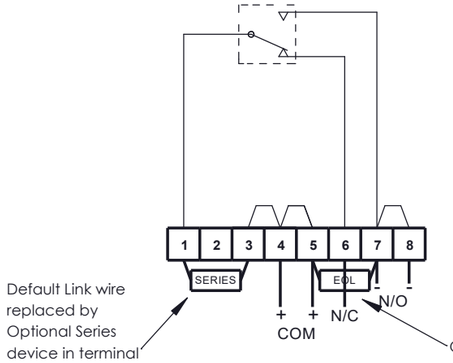
Unoperated condition
(Glass Intact / Standby Condition)
Terminals +(4,5) & -(7,8) open
Terminals +(4,5) & (6) closed

Operated condition
(Glass Broken / Button pushed in)
Terminals +(4,5) & -(7,8) closed
Terminals +(4,5) & (6) open

SINGLE SWITCH WITH EOL & SERIES DEVICES — CONFIG. D1-3

SWITCH TYPE [s]	[S]	Single
TERMINALS [t]	[D]	DIN Rail
PRODUCT OPTION [o]	[1]	Default
LED INDICATOR [u]	[N]	NO LED
MODULES [e][s]	[Exxxx][Sxxxx]	EOL + Series





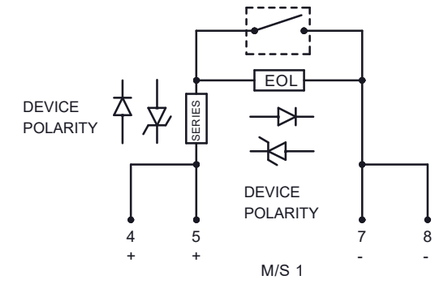
Circuit shown in Unoperated condition

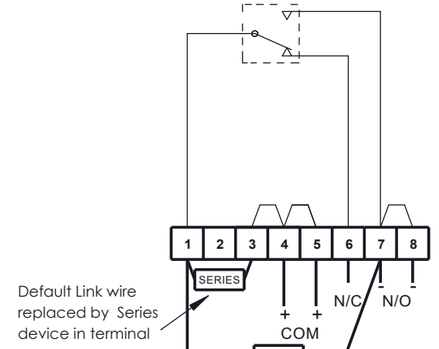
Unoperated condition
(Glass Intact / Standby Condition)
Terminals +(4,5) & -(7,8) open
Terminals +(4,5) & (6) closed

Operated condition
(Glass Broken / Button pushed in)
Terminals +(4,5) & -(7,8) closed
Terminals +(4,5) & (6) open

SINGLE SWITCH WITH EOL & ALT. SERIES DEVICES — CONFIG. D1-4

SWITCH TYPE [s]	[S]	Single
TERMINALS [t]	[D]	DIN Rail
PRODUCT OPTION [o]	[W]	Alt. EOL Pos'n.
LED INDICATOR [u]	[N]	NO LED
MODULE [e][s]	[Exxxx][Sxxxx]	EOL + Series





Circuit shown in Unoperated condition

Unoperated condition
(Glass Intact / Standby Condition)
Terminals +(4,5) & -(7,8) open
Terminals +(4,5) & (6) closed

Operated condition
(Glass Broken / Button pushed in)
Terminals +(4,5) & -(7,8) closed
Terminals +(4,5) & (6) open

DRAWING TO BS8888:2000
GEOMETRIC TOLERANCES TO ISO1101:1983
LINEAR DIMENSIONAL TOLS
ANGULAR DIMENSIONAL TOLS

STANDARDS
GNExCP7 ; STExCP8 ; WP7 units with DIN Rail

DRAWN R.S.RAIT DATE 05-03-2020
CHECKED B.ISARD DATE 05-03-2020
APPROVED R.N.POTTS DATE 05-03-2020

SURFACE FINISH | WEIGHT (Kg)
MATERIAL
ALTERNATIVE MATERIAL

e2S warning signals
EUROPEAN SAFETY SYSTEMS LTD
IMPRESS HOUSE
MANSELL ROAD
ACTON
LONDON W3 7QH
WWW.E2S.COM

ALL DIMENSIONS IN MM
IF IN DOUBT, ASK -
DO NOT SCALE

A3

TITLE **GNExCP7 ; STExCP8 ; WP7 CALL POINT WIRING / CIRCUIT OPERATION DIAGRAM**

SCALE NTS | SHEET 1 OF 8 | DRAWING NUMBER **D202-06-211**

DUAL MICROSWITCH DEVICES

SHEET 2

Notes:
1. Other configurations of dual switch units are possible. Contact E2S sales to discuss options.

GNEXCP7-BG[s][t][l][e][m][d][v][o][x][u]-[v][e][s]

Switch Type [s] · Terminals [t] · Product Version [v] · Product Option [o] · LED Indicator [u] · EOL Module [e] · Series Module [s]

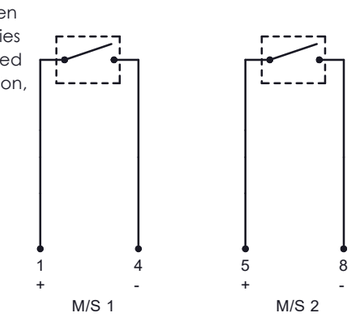
Module Device Codes		
	EOL	Series
Resistor	ExxxR	SxxxR
Diode	ED1	SD1
Zener Diode	ExxxZ	SxxxZ
LED	N/A	L or C

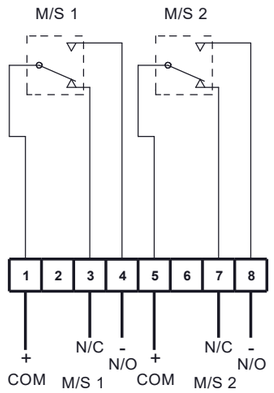
ISSUE	MOD No.	REASON - INITIAL - DATE
5	ACN0102	Addition of BG version ; Options clarified RNP 15-04-2022
6	ACN0127	Configuration coding added and aligned with other call points. LED options added ; PCB page moved to new document. RNP 14-07-2023

DUAL SWITCH WITH EOL DEVICE — CONFIG. D2-1

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[D]	DIN Rail
PRODUCT OPTION [o]	[1]	Default
LED INDICATOR [u]	[N]	NO LED

Note :- Use when EOL and/or series devices are fitted during installation, or if no series devices are required.





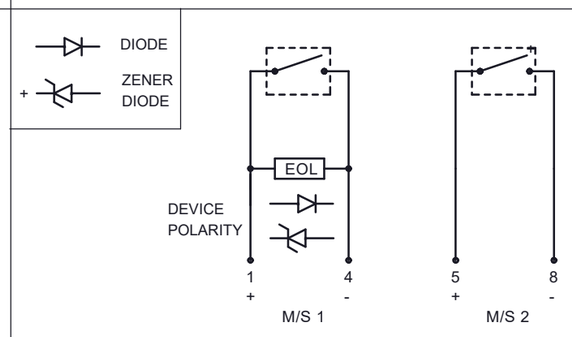
Circuit shown in Unoperated condition

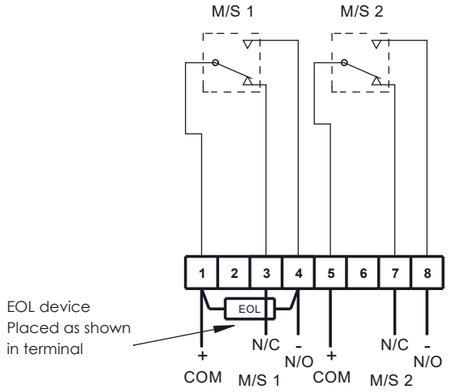
Unoperated condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(4) M/S 1 & +(5) & -(8) M/S 2 open
Terminals +(1) & -(3) M/S 1 & +(5) & -(7) M/S 2 closed

Operated condition
(Glass Broken / Button pushed in)
Terminals +(1) & -(3) M/S 1 & +(5) & -(7) M/S 2 open
Terminals +(1) & -(4) M/S 1 & +(5) & -(8) M/S 2 closed

DUAL SWITCH WITH SERIES DEVICES — CONFIG. D2-2

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[D]	DIN Rail Only
PRODUCT OPTION [o]	[1]	Default
LED INDICATOR [u]	[N]	NO LED
SERIES MODULE [s]	[Sxxxx]	Series Device





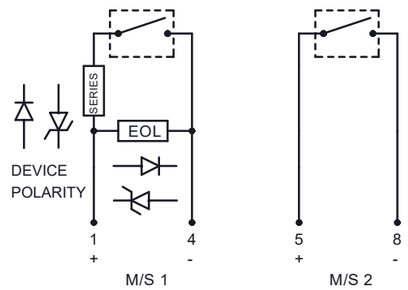
Circuit shown in Unoperated condition

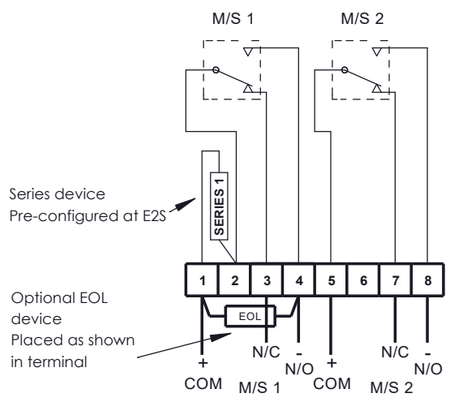
Unoperated condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(4) M/S 1 & +(5) & -(8) M/S 2 open
Terminals +(1) & -(3) M/S 1 & +(5) & -(7) M/S 2 closed

Operated condition
(Glass Broken / Button pushed in)
Terminals +(1) & -(3) M/S 1 & +(5) & -(7) M/S 2 open
Terminals +(1) & -(4) M/S 1 & +(5) & -(8) M/S 2 closed

DUAL SWITCH WITH EOL & SERIES DEVICES — CONFIG. D2-3

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[D]	DIN Rail Only
PRODUCT OPTION [o]	[1]	Default
LED INDICATOR [u]	[N]	NO LED
MODULES [e][s]	[Exxxx][Sxxxx]	EOL + Series





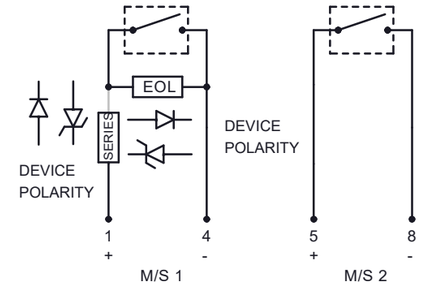
Circuit shown in Unoperated condition

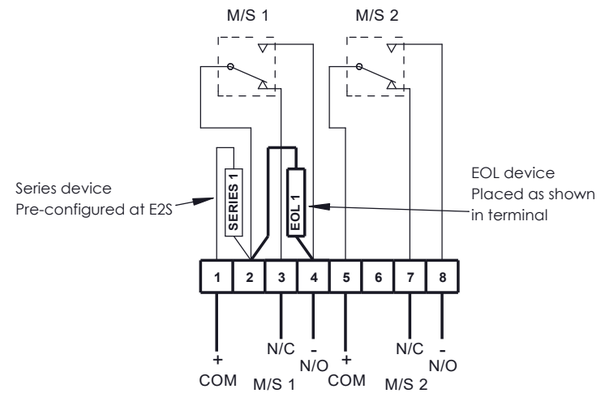
Unoperated condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(4) M/S 1 & +(5) & -(8) M/S 2 open
Terminals +(1) & -(3) M/S 1 & +(5) & -(7) M/S 2 closed

Operated condition
(Glass Broken / Button pushed in)
Terminals +(1) & -(3) M/S 1 & +(5) & -(7) M/S 2 open
Terminals +(1) & -(4) M/S 1 & +(5) & -(8) M/S 2 closed

DUAL SWITCH WITH EOL & SERIES DEVICES — CONFIG. D2-4

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[D]	DIN Rail Only
PRODUCT OPTION [o]	[W]	Alt. EOL Pos'n.
LED INDICATOR [u]	[N]	NO LED
MODULES [e][s]	[Exxxx][Sxxxx]	EOL + Series





Circuit shown in Unoperated condition

Unoperated condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(4) M/S 1 & +(5) & -(8) M/S 2 open
Terminals +(1) & -(3) M/S 1 & +(5) & -(7) M/S 2 closed

Operated condition
(Glass Broken / Button pushed in)
Terminals +(1) & -(3) M/S 1 & +(5) & -(7) M/S 2 open
Terminals +(1) & -(4) M/S 1 & +(5) & -(8) M/S 2 closed

DRAWING TO BS8888:2000
GEOMETRIC TOLERANCES TO ISO1101:1983
LINEAR DIMENSIONAL TOLS
ANGULAR DIMENSIONAL TOLS

STANDARDS
GNExCP7 ; STExCP8 ; WP7 units with DIN Rail

DRAWN D.HOWGILL DATE 05-03-2020
CHECKED R.N.POTTS DATE 05-03-2020
APPROVED R.N.POTTS DATE 05-03-2020

SURFACE FINISH | WEIGHT (Kg)
MATERIAL
ALTERNATIVE MATERIAL

e2S warning signals
EUROPEAN SAFETY SYSTEMS LTD
IMPRESS HOUSE
MANSELL ROAD
ACTON
LONDON W3 7QH
WWW.E2S.COM

ALL DIMENSIONS IN MM
IF IN DOUBT, ASK - DO NOT SCALE

A3

TITLE **GNExCP7 ; STExCP8 ; WP7 CALL POINT WIRING / CIRCUIT OPERATION DIAGRAM**

SCALE NTS | SHEET 2 OF 8 | DRAWING NUMBER **D202-06-211**

DUAL MICROSWITCH DEVICES DUPLICATED

SHEET 3

Notes:
1. Other configurations of dual switch units are possible. Contact E2S sales to discuss options.

GNEXCP7-BG[s][t][l][e][m][d][v][o][x][u]-[v][e][s]

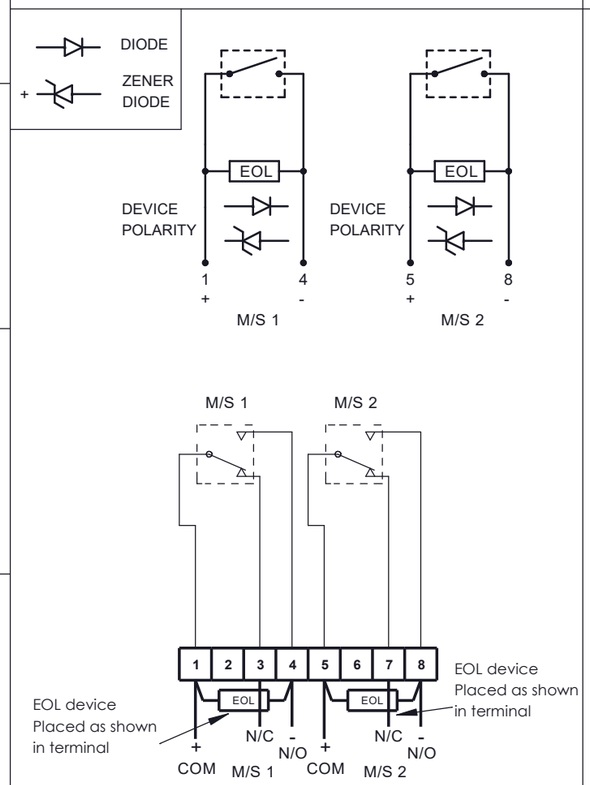
Switch Type [s] · Terminals [t] · Product Version [v] · Product Option [o] · LED Indicator [u] · EOL Module [e] · Series Module [s]

Module Device Codes	EOL	Series
Resistor	ExxxR	SxxxR
Diode	ED1	SD1
Zener Diode	ExxxZ	SxxxZ
LED	N/A	L or C

ISSUE	MOD No.	REASON - INITIAL - DATE
5	ACN0102	Addition of BG version ; Options clarified RNP 15-04-2022
6	ACN0127	Configuration coding added and aligned with other call points. LED options added ; PCB page moved to new document. RNP 14-07-2023

DUAL SWITCH WITH EOL DEVICES DUPLICATED — CONFIG. D3-1

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[D]	DIN Rail
PRODUCT OPTION [o]	[2]	Duplicated
LED INDICATOR [u]	[N]	NO LED
EOL MODULE [e]	[Exxxx]	EOL Device



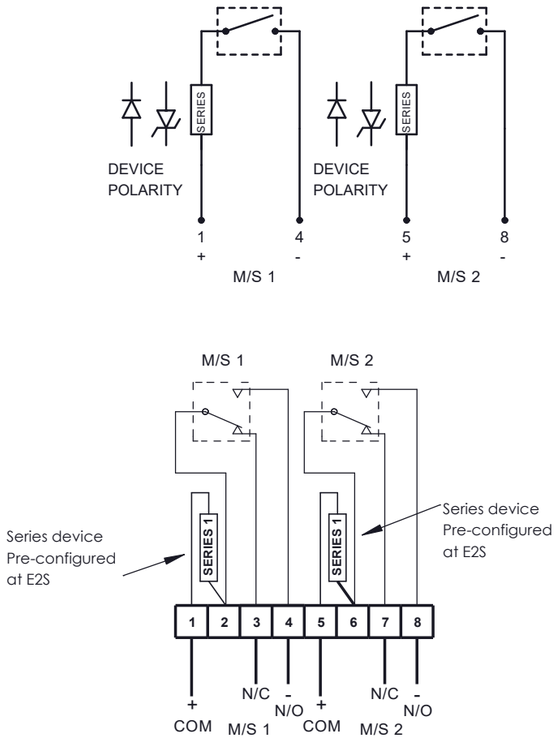
Circuit shown in Unoperated condition

Unoperated condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(4) M/S 1 & +(5) & -(8) M/S 2 open
Terminals +(1) & -(3) M/S 1 & +(5) & -(7) M/S 2 closed

Operated condition
(Glass Broken / Button pushed in)
Terminals +(1) & -(3) M/S 1 & +(5) & -(7) M/S 2 open
Terminals +(1) & -(4) M/S 1 & +(5) & -(8) M/S 2 closed

DUAL SWITCH WITH SERIES DEVICES DUPLICATED — CONFIG. D3-2

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[D]	DIN Rail Only
PRODUCT OPTION [o]	[2]	Duplicated
LED INDICATOR [u]	[N]	NO LED
SERIES MODULE [s]	[Sxxxx]	Series Device



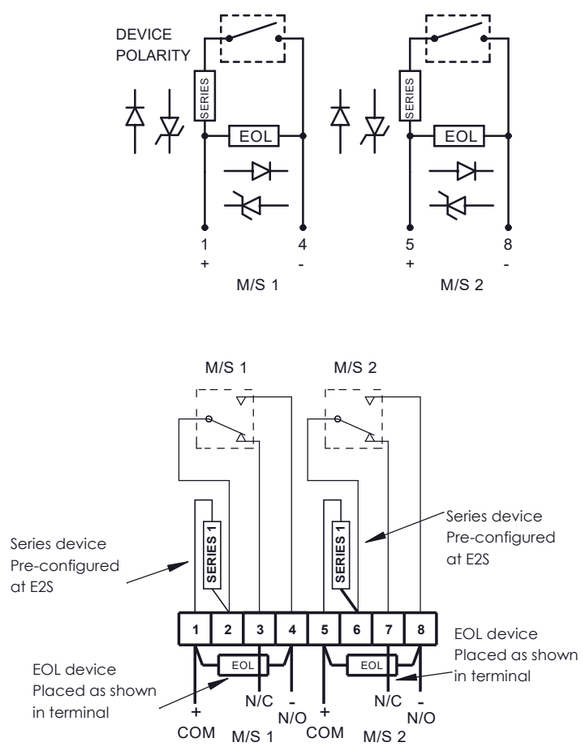
Circuit shown in Unoperated condition

Unoperated condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(4) M/S 1 & +(5) & -(8) M/S 2 open
Terminals +(1) & -(3) M/S 1 & +(5) & -(7) M/S 2 closed

Operated condition
(Glass Broken / Button pushed in)
Terminals +(1) & -(3) M/S 1 & +(5) & -(7) M/S 2 open
Terminals +(1) & -(4) M/S 1 & +(5) & -(8) M/S 2 closed

DUAL SWITCH WITH EOL & SERIES DEVICE DUPLICATED — CONFIG. D3-3

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[D]	DIN Rail Only
PRODUCT OPTION [o]	[2]	Duplicated
LED INDICATOR [u]	[N]	NO LED
MODULES [e][s]	[Exxxx][Sxxxx]	EOL + Series



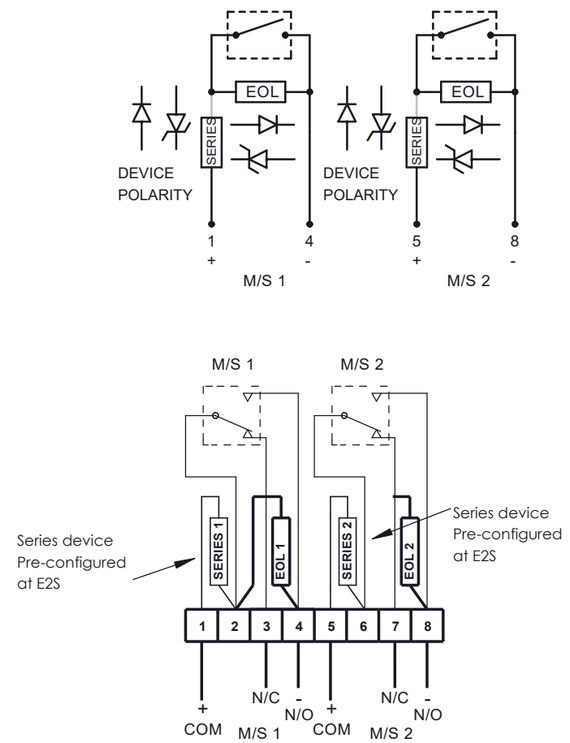
Circuit shown in Unoperated condition

Unoperated condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(4) M/S 1 & +(5) & -(8) M/S 2 open
Terminals +(1) & -(3) M/S 1 & +(5) & -(7) M/S 2 closed

Operated condition
(Glass Broken / Button pushed in)
Terminals +(1) & -(3) M/S 1 & +(5) & -(7) M/S 2 open
Terminals +(1) & -(4) M/S 1 & +(5) & -(8) M/S 2 closed

DUAL SWITCH WITH EOL & SERIES DEVICE DUPLICATED — CONFIG. D3-4

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[D]	DIN Rail Only
PRODUCT OPTION [o]	[Y]	Alt. EOL Pos'n. DUP.
LED INDICATOR [u]	[N]	NO LED
MODULES [e][s]	[Exxxx][Sxxxx]	EOL + Series



Circuit shown in Unoperated condition

Unoperated condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(4) M/S 1 & +(5) & -(8) M/S 2 open
Terminals +(1) & -(3) M/S 1 & +(5) & -(7) M/S 2 closed

Operated condition
(Glass Broken / Button pushed in)
Terminals +(1) & -(3) M/S 1 & +(5) & -(7) M/S 2 open
Terminals +(1) & -(4) M/S 1 & +(5) & -(8) M/S 2 closed

DRAWING TO BS8888:2000
GEOMETRIC TOLERANCES TO ISO1101:1983
LINEAR DIMENSIONAL TOLS
ANGULAR DIMENSIONAL TOLS

STANDARDS
GNExCP7 ; STExCP8 ; WP7 units with DIN Rail

DRAWN D.HOWGILL DATE 05-03-2020
CHECKED R.N.POTTS DATE 05-03-2020
APPROVED R.N.POTTS DATE 05-03-2020

SURFACE FINISH
WEIGHT (Kg)
MATERIAL
ALTERNATIVE MATERIAL

e2S warning signals
EUROPEAN SAFETY SYSTEMS LTD
IMPRESS HOUSE
MANSELL ROAD
ACTON
LONDON W3 7QH
WWW.E2S.COM

ALL DIMENSIONS IN MM
IF IN DOUBT, ASK - DO NOT SCALE

A3

TITLE **GNExCP7 ; STExCP8 ; WP7 CALL POINT WIRING / CIRCUIT OPERATION DIAGRAM**

SCALE NTS
SHEET 3 OF 8
DRAWING NUMBER **D202-06-211**

SINGLE MICROSWITCH LED DEVICES

SHEET 4

Notes:
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]-[v][e][s]

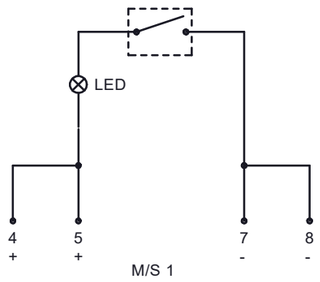
- [s] Switch Type
- [t] Terminals
- [l] Product Version
- [e] Product Option
- [m] EOL Module
- [d] Series Module [s]
- [v] LED Indicator [u]

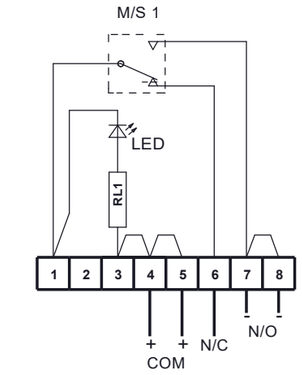
Module Device Codes	EOL	Series
Resistor	ExxxR	SxxxR
Diode	ED1	SD1
Zener Diode	ExxxZ	SxxxZ
LED	N/A	L or C

ISSUE	MOD No.	REASON - INITIAL - DATE
5	ACN0102	Addition of BG version ; Options clarified RNP 15-04-2022
6	ACN0127	Configuration coding added and aligned with other call points. LED options added ; PCB page moved to new document. RNP 14-07-2023

SINGLE SWITCH WITH LED ONLY — CONFIG. D4-1

SWITCH TYPE [s]	[S]	Single
TERMINALS [t]	[D]	DIN Rail
PRODUCT OPTION [o]	[1]	Default
LED INDICATOR [u]	[L]	LED with RL1





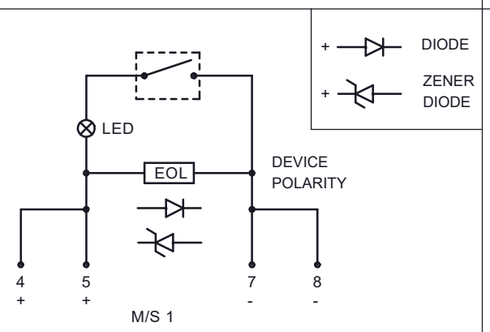
Circuit shown in Unoperated condition

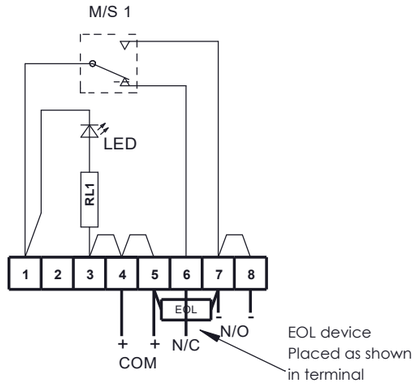
Unoperated condition
(Glass Intact / Standby Condition)
Terminals +(4,5) & -(7,8) open
Terminals +(4,5) & (6) closed

Operated condition
(Glass Broken / Button pushed in)
Terminals +(4,5) & -(7,8) closed
Terminals +(4,5) & (6) open

SINGLE SWITCH WITH LED & EOL DEVICE — CONFIG. D4-2

SWITCH TYPE [s]	[S]	Single
TERMINALS [t]	[D]	DIN Rail
PRODUCT OPTION [o]	[1]	Default
LED INDICATOR [u]	[L]	LED with RL1
SERIES MODULE [e]	[Exxxx]	EOL Device





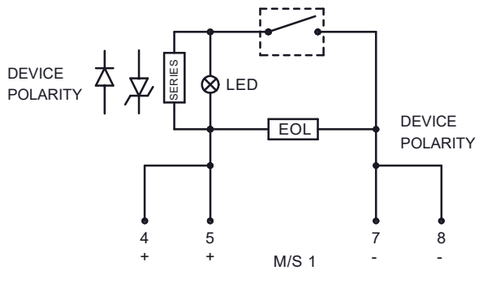
Circuit shown in Unoperated condition

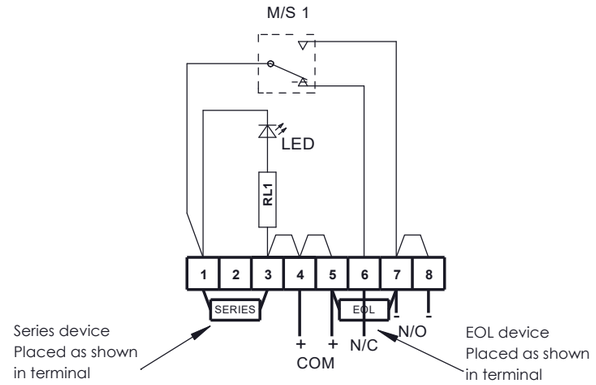
Unoperated condition
(Glass Intact / Standby Condition)
Terminals +(4,5) & -(7,8) open
Terminals +(4,5) & (6) closed

Operated condition
(Glass Broken / Button pushed in)
Terminals +(4,5) & -(7,8) closed
Terminals +(4,5) & (6) open

SINGLE SWITCH WITH LED EOL & SERIES DEVICES — CONFIG. D4-3

SWITCH TYPE [s]	[S]	Single
TERMINALS [t]	[D]	DIN Rail
PRODUCT OPTION [o]	[1]	Default
LED INDICATOR [u]	[L]	LED with RL1
EOL MODULE [e][s]	[Exxxx][Sxxxx]	EOL + Series Device





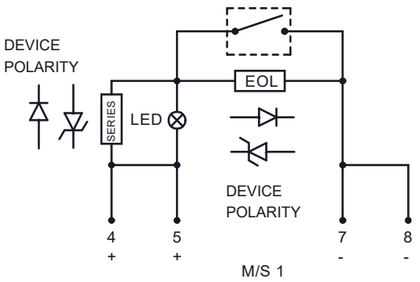
Circuit shown in Unoperated condition

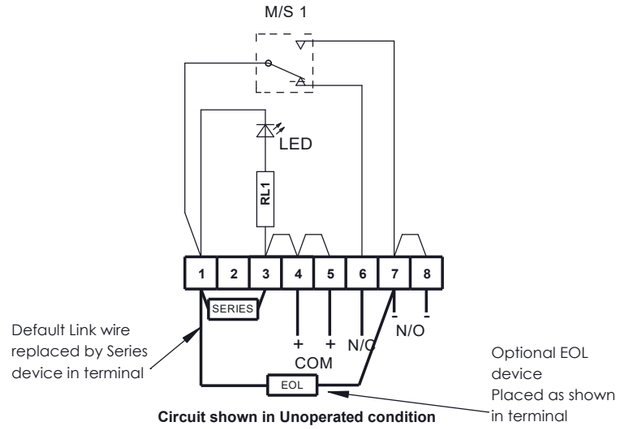
Unoperated condition
(Glass Intact / Standby Condition)
Terminals +(4,5) & -(7,8) open
Terminals +(4,5) & (6) closed

Operated condition
(Glass Broken / Button pushed in)
Terminals +(4,5) & -(7,8) closed
Terminals +(4,5) & (6) open

SINGLE SWITCH WITH LED, EOL & ALT. SERIES DEVICE — CONFIG. D4-4

SWITCH TYPE [s]	[S]	Single
TERMINALS [t]	[D]	DIN Rail
PRODUCT OPTION [o]	[W]	Alt. EOL Pos'n.
LED INDICATOR [u]	[L]	LED with RL1
MODULES [e][s]	[Exxxx][Sxxxx]	EOL + Series Device





Circuit shown in Unoperated condition

Unoperated condition
(Glass Intact / Standby Condition)
Terminals +(4,5) & -(7,8) open
Terminals +(4,5) & (6) closed

Operated condition
(Glass Broken / Button pushed in)
Terminals +(4,5) & -(7,8) closed
Terminals +(4,5) & (6) open

DRAWING TO BS8888:2000
GEOMETRIC TOLERANCES TO ISO1101:1983
LINEAR DIMENSIONAL TOLS
ANGULAR DIMENSIONAL TOLS

STANDARDS
GNExCP7 ; STExCP8 ; WP7 units with DIN Rail

DRAWN	D.HOWGILL	DATE 05-03-2020
CHECKED	R.N.POTTS	DATE 05-03-2020
APPROVED	R.N.POTTS	DATE 05-03-2020

SURFACE FINISH | WEIGHT (Kg)

MATERIAL

ALTERNATIVE MATERIAL

e2S warning signals
EUROPEAN SAFETY SYSTEMS LTD
IMPRESS HOUSE
MANSELL ROAD
ACTON
LONDON W3 7QH
WWW.E2S.COM

ALL DIMENSIONS IN MM
IF IN DOUBT, ASK - DO NOT SCALE

A3

TITLE **GNExCP7 ; STExCP8 ; WP7 CALL POINT WIRING / CIRCUIT OPERATION DIAGRAM**

SCALE	SHEET	DRAWING NUMBER
NTS	4 OF 8	D202-06-211

DUAL MICROSWITCH LED DEVICES

SHEET 5

Notes:
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]-[v][e][s]

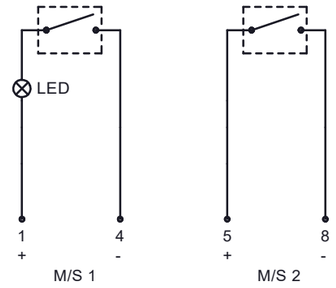
- [s] Switch Type
- [t] Terminals
- [l] Product Version
- [e] Product Option
- [m] EOL Module
- [d] Series Module
- [v] Product Version
- [o] Product Option
- [x] LED Indicator
- [u] LED Indicator
- [v] Product Version
- [e] EOL Module
- [s] Series Module

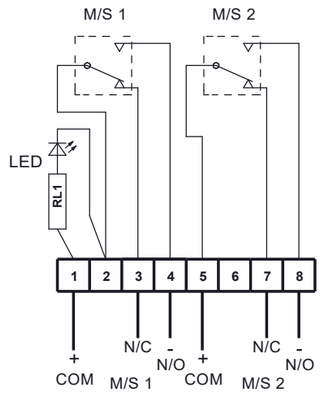
Module Device Codes	EOL	Series
Resistor	ExxxR	SxxxR
Diode	ED1	SD1
Zener Diode	ExxxZ	SxxxZ
LED	N/A	L or C

ISSUE	MOD No.	REASON - INITIAL - DATE
5	ACN0102	Addition of BG version ; Options clarified RNP 15-04-2022
6	ACN0127	Configuration coding added and aligned with other call points. LED options added ; PCB page moved to new document. RNP 14-07-2023

DUAL SWITCH WITH LED — CONFIG. D5-1

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[D]	DIN Rail Only
PRODUCT OPTION [o]	[1]	Default
LED INDICATOR [u]	[L]	LED with RL1





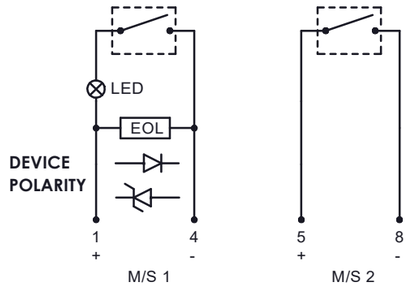
Circuit shown in Unoperated condition

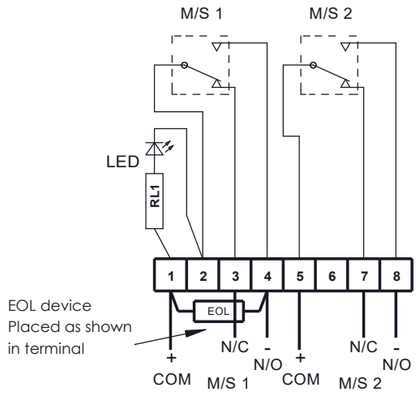
Unoperated condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(4) M/S 1 & +(5) & -(8) M/S 2 open
Terminals +(1) & -(3) M/S 1 & +(5) & -(7) M/S 2 closed

Operated condition
(Glass Broken / Button pushed in)
Terminals +(1) & -(3) M/S 1 & +(5) & -(7) M/S 2 open
Terminals +(1) & -(4) M/S 1 & +(5) & -(8) M/S 2 closed

DUAL SWITCH WITH LED & EOL DEVICES — CONFIG. D5-2

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[D]	DIN Rail Only
PRODUCT OPTION [o]	[1]	Default
LED INDICATOR [u]	[L]	LED with RL1
EOL MODULE [e]	[ExxxR]	EOL Device





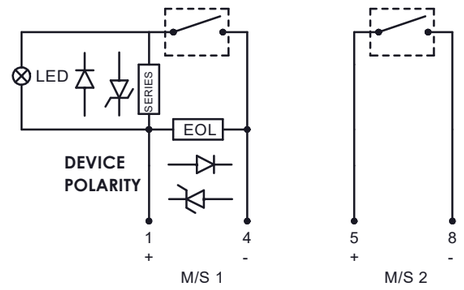
Circuit shown in Unoperated condition

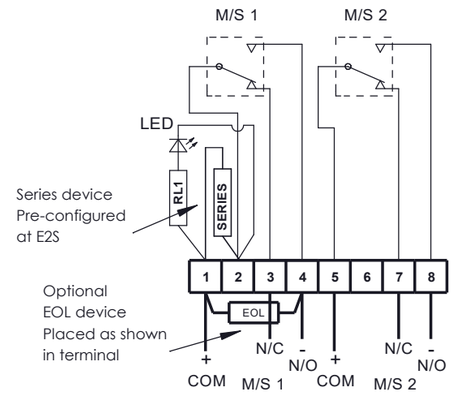
Unoperated condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(4) M/S 1 & +(5) & -(8) M/S 2 open
Terminals +(1) & -(3) M/S 1 & +(5) & -(7) M/S 2 closed

Operated condition
(Glass Broken / Button pushed in)
Terminals +(1) & -(3) M/S 1 & +(5) & -(7) M/S 2 open
Terminals +(1) & -(4) M/S 1 & +(5) & -(8) M/S 2 closed

DUAL SWITCH WITH LED EOL & SERIES DEVICES — CONFIG. D5-3

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[D]	DIN Rail Only
PRODUCT OPTION [o]	[1]	Default
LED INDICATOR [u]	[L]	LED with RL1
SERIES MODULE [s]	[Sxxxx]	Series Device





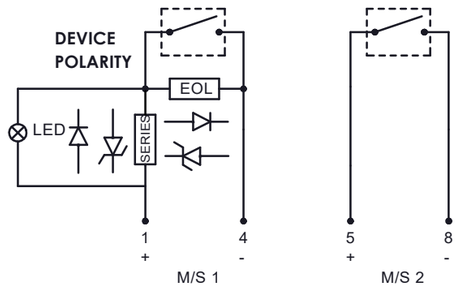
Circuit shown in Unoperated condition

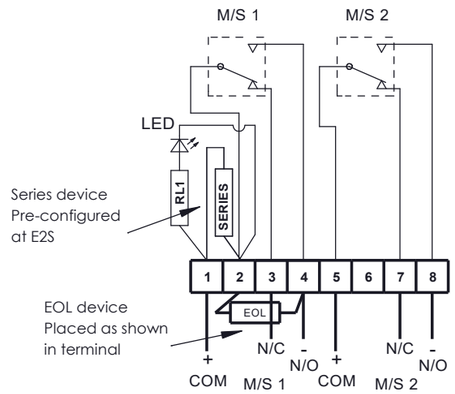
Unoperated condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(4) M/S 1 & +(5) & -(8) M/S 2 open
Terminals +(1) & -(3) M/S 1 & +(5) & -(7) M/S 2 closed

Operated condition
(Glass Broken / Button pushed in)
Terminals +(1) & -(3) M/S 1 & +(5) & -(7) M/S 2 open
Terminals +(1) & -(4) M/S 1 & +(5) & -(8) M/S 2 closed

DUAL SWITCH WITH LED, EOL & ALT. SERIES DEVICE — CONFIG. D5-4

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[D]	DIN Rail Only
PRODUCT OPTION [o]	[W]	Alt. EOL Pos'n.
LED INDICATOR [u]	[L]	LED with RL1
MODULES [e][s]	[Exxxx][Sxxxx]	EOL + Series





Circuit shown in Unoperated condition

Unoperated condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(4) M/S 1 & +(5) & -(8) M/S 2 open
Terminals +(1) & -(3) M/S 1 & +(5) & -(7) M/S 2 closed

Operated condition
(Glass Broken / Button pushed in)
Terminals +(1) & -(3) M/S 1 & +(5) & -(7) M/S 2 open
Terminals +(1) & -(4) M/S 1 & +(5) & -(8) M/S 2 closed

DRAWING TO BS8888:2000
GEOMETRIC TOLERANCES TO ISO1101:1983
LINEAR DIMENSIONAL TOLS
ANGULAR DIMENSIONAL TOLS

STANDARDS

DRAWN D.HOWGILL DATE 05-03-2020

CHECKED R.N.POTTS DATE 05-03-2020

APPROVED R.N.POTTS DATE 05-03-2020

SURFACE FINISH

WEIGHT (Kg)

MATERIAL

ALTERNATIVE MATERIAL

e2S warning signals
EUROPEAN SAFETY SYSTEMS LTD
IMPRESS HOUSE
MANSELL ROAD
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LONDON W3 7QH
WWW.E2S.COM

ALL DIMENSIONS IN MM
IF IN DOUBT, ASK - DO NOT SCALE

A3

TITLE **GNExCP7 ; STExCP8 ; WP7 CALL POINT WIRING / CIRCUIT OPERATION DIAGRAM**

SCALE NTS

SHEET 5 OF 8

DRAWING NUMBER **D202-06-211**

DUAL MICROSWITCH LED & DEVICES DUPLICATED

SHEET 6

Notes:
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]-[v][e][s]

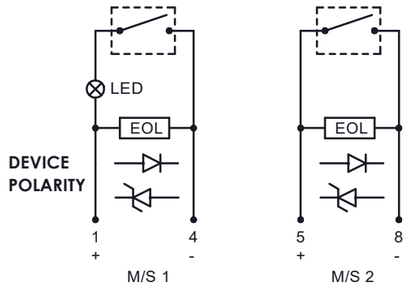
- [s] Switch Type
- [t] Terminals
- [l] Product Version
- [e] Product Option
- [u] LED Indicator
- [v] EOL Module
- [s] Series Module

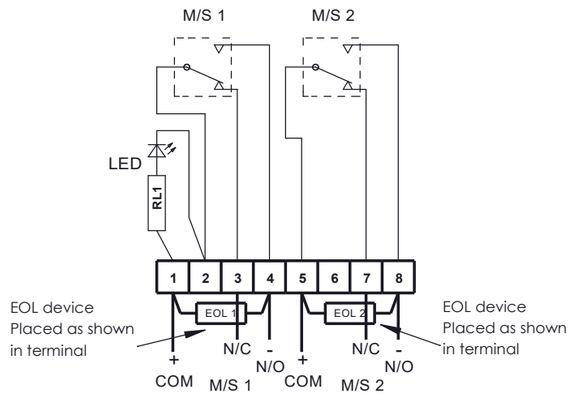
Module Device Codes	EOL	Series
Resistor	ExxxR	SxxxR
Diode	ED1	SD1
Zener Diode	ExxxZ	SxxxZ
LED	N/A	L or C

ISSUE	MOD No.	REASON - INITIAL - DATE
5	ACN0102	Addition of BG version ; Options clarified RNP 15-04-2022
6	ACN0127	Configuration coding added and aligned with other call points. LED options added ; PCB page moved to new document. RNP 14-07-2023

DUAL SWITCH WITH LED & EOL DEVICE — CONFIG. D6-1

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[D]	DIN Rail Only
PRODUCT OPTION [o]	[2]	Duplicated EOL
LED INDICATOR [u]	[L]	LED with RL1
EOL MODULE [e]	[ExxxR]	EOL Device





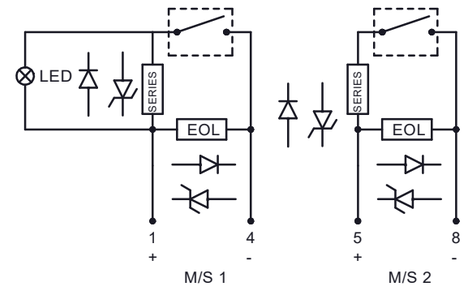
Circuit shown in Unoperated condition

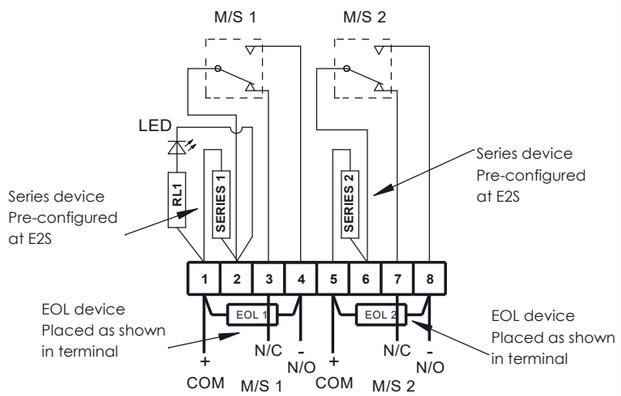
Unoperated condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(4) M/S 1 & +(5) & -(8) M/S 2 open
Terminals +(1) & -(3) M/S 1 & +(5) & -(7) M/S 2 closed

Operated condition
(Glass Broken / Button pushed in)
Terminals +(1) & -(3) M/S 1 & +(5) & -(7) M/S 2 open
Terminals +(1) & -(4) M/S 1 & +(5) & -(8) M/S 2 closed

DUAL SWITCH WITH LED & SERIES DEVICE — CONFIG. D6-2

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[D]	DIN Rail Only
PRODUCT OPTION [o]	[2]	Duplicated EOL / SERIES
LED INDICATOR [u]	[L]	LED with RL1
SERIES MODULE [s]	[Sxxxx]	Series Device





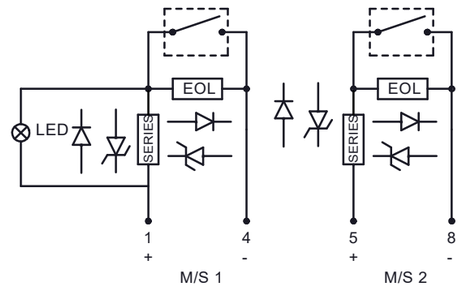
Circuit shown in Unoperated condition

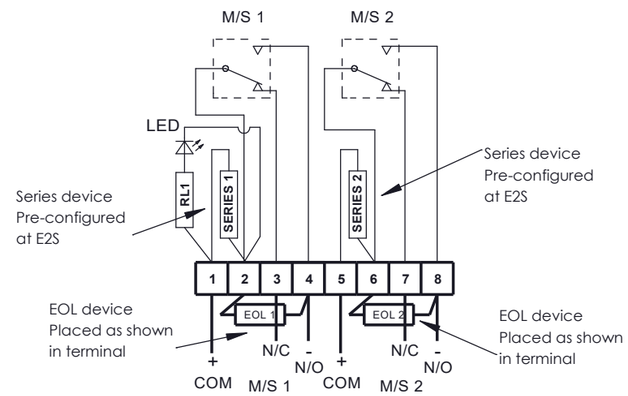
Unoperated condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(4) M/S 1 & +(5) & -(8) M/S 2 open
Terminals +(1) & -(3) M/S 1 & +(5) & -(7) M/S 2 closed

Operated condition
(Glass Broken / Button pushed in)
Terminals +(1) & -(3) M/S 1 & +(5) & -(7) M/S 2 open
Terminals +(1) & -(4) M/S 1 & +(5) & -(8) M/S 2 closed

DUAL SWITCH WITH LED, EOL & SERIES DEVICE — CONFIG. D6-3

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[D]	DIN Rail Only
PRODUCT OPTION [o]	[Y]	Alt. EOL Pos'n. DUPLICATED
LED INDICATOR [u]	[L]	LED with RL1
MODULES [e][s]	[Exxxx][Sxxxx]	EOL + Series





Circuit shown in Unoperated condition

Unoperated condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(4) M/S 1 & +(5) & -(8) M/S 2 open
Terminals +(1) & -(3) M/S 1 & +(5) & -(7) M/S 2 closed

Operated condition
(Glass Broken / Button pushed in)
Terminals +(1) & -(3) M/S 1 & +(5) & -(7) M/S 2 open
Terminals +(1) & -(4) M/S 1 & +(5) & -(8) M/S 2 closed

DRAWING TO BS8888:2000
GEOMETRIC TOLERANCES TO ISO1101:1983
LINEAR DIMENSIONAL TOLS
ANGULAR DIMENSIONAL TOLS

STANDARDS

DRAWN D.HOWGILL DATE 05-03-2020
CHECKED R.N.POTTS DATE 05-03-2020
APPROVED R.N.POTTS DATE 05-03-2020

SURFACE FINISH
WEIGHT (Kg)
MATERIAL
ALTERNATIVE MATERIAL

e2S warning signals
EUROPEAN SAFETY SYSTEMS LTD
IMPRESS HOUSE
MANSELL ROAD
ACTON
LONDON W3 7QH
WWW.E2S.COM

ALL DIMENSIONS IN MM
IF IN DOUBT, ASK - DO NOT SCALE

A3

TITLE **GNExCP7 ; STExCP8 ; WP7 CALL POINT WIRING / CIRCUIT OPERATION DIAGRAM**

SCALE NTS
SHEET 6 OF 8
DRAWING NUMBER **D202-06-211**

DUAL MICROSWITCHES IN PARALLEL

SHEET 7

Notes:
1. Other configurations of dual switch units are possible. Contact E2S sales to discuss options.

GNEXCP7-BG[s][t][l][e][m][d][v][o][x][u]-[v][e][s]

- [s] Switch Type
- [t] Terminals
- [l]
- [e]
- [m]
- [d]
- [v] Product Version
- [o] Product Option
- [x]
- [u] LED Indicator
- [v] Series Module
- [e] EOL Module
- [s]

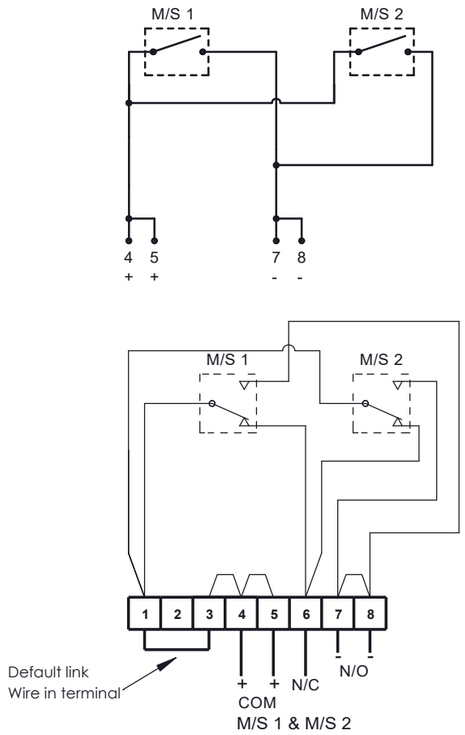
Module Device Codes

	EOL	Series
Resistor	ExxxR	SxxxR
Diode	ED1	SD1
Zener Diode	ExxxZ	SxxxZ
LED	N/A	L or C

ISSUE	MOD No.	REASON - INITIAL - DATE
5	ACN0102	Addition of BG version ; Options clarified RNP 15-04-2022
6	ACN0127	Configuration coding added and aligned with other call points. LED options added ; PCB page moved to new document. RNP 14-07-2023

DUAL SWITCH WITH EOL DEVICE — CONFIG. D7-1

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[D]	DIN Rail
PRODUCT OPTION [o]	[P]	Parallel Wiring
LED INDICATOR [u]	[N]	No LED



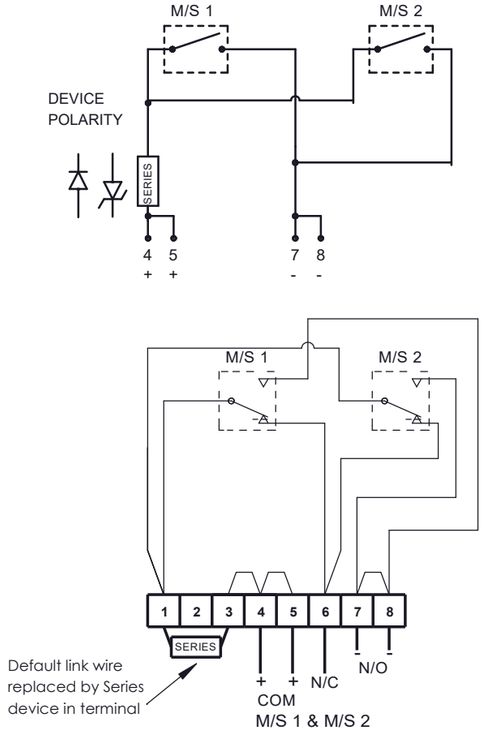
Circuit shown in Unoperated condition

Unoperated condition
(Glass Intact / Standby Condition)
Terminals +(4,5) & -(7,8) open
Terminals +(4,5) & (6) closed

Operated condition
(Glass Broken / Button pushed in)
Terminals +(4,5) & -(7,8) closed
Terminals +(4,5) & (6) open

DUAL SWITCH WITH SERIES DEVICES — CONFIG. D7-2

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[D]	DIN Rail
PRODUCT OPTION [o]	[P]	Parallel Wiring
LED INDICATOR [u]	[N]	No LED
SERIES MODULE [s]	[Sxxxx]	Series Device



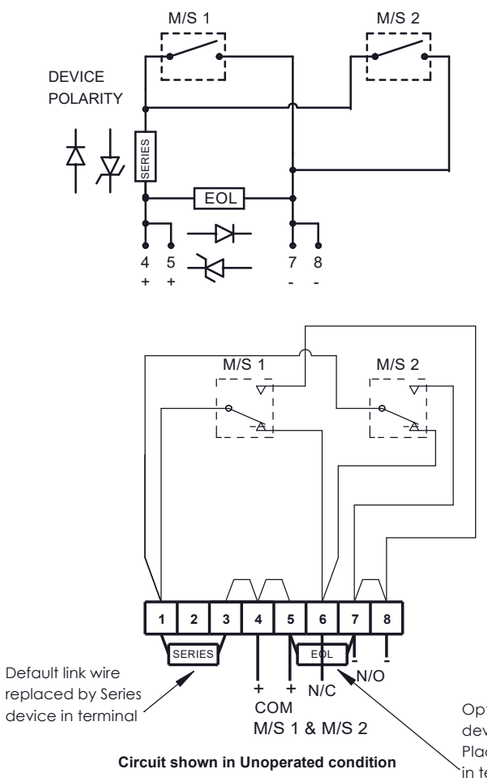
Circuit shown in Unoperated condition

Unoperated condition
(Glass Intact / Standby Condition)
Terminals +(4,5) & -(7,8) open
Terminals +(4,5) & (6) closed

Operated condition
(Glass Broken / Button pushed in)
Terminals +(4,5) & -(7,8) closed
Terminals +(4,5) & (6) open

DUAL SWITCH WITH EOL & SERIES DEVICE — CONFIG. D7-3

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[D]	DIN Rail
PRODUCT OPTION [o]	[P]	Parallel Wiring
LED INDICATOR [u]	[N]	No LED
MODULE [e][s]	[Exxxx][Sxxxx]	EOL & Series Device



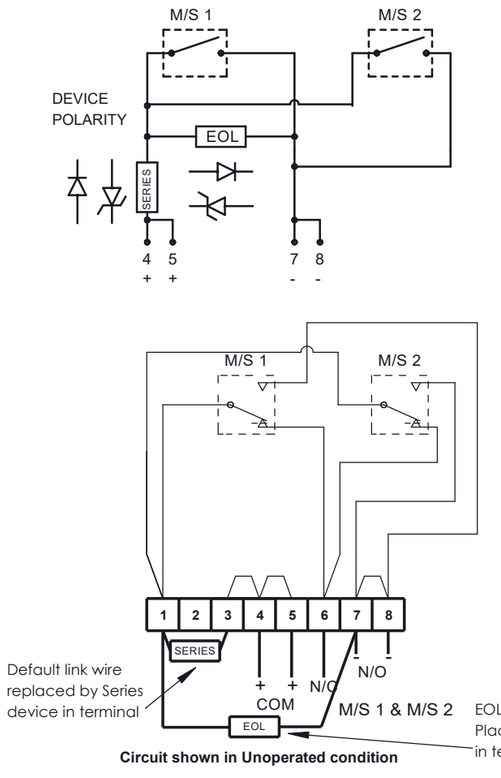
Circuit shown in Unoperated condition

Unoperated condition
(Glass Intact / Standby Condition)
Terminals +(4,5) & -(7,8) open
Terminals +(4,5) & (6) closed

Operated condition
(Glass Broken / Button pushed in)
Terminals +(4,5) & -(7,8) closed
Terminals +(4,5) & (6) open

DUAL SWITCH WITH EOL & SERIES DEVICE — CONFIG. D7-4

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[D]	DIN Rail Only
PRODUCT OPTION [o]	[V]	Alt. EOL Pos'n
LED INDICATOR [u]	[N]	No LED
MODULE [e][s]	[Exxxx][Sxxxx]	EOL & Series Devices



Circuit shown in Unoperated condition

Unoperated condition
(Glass Intact / Standby Condition)
Terminals +(4,5) & -(7,8) open
Terminals +(4,5) & (6) closed

Operated condition
(Glass Broken / Button pushed in)
Terminals +(4,5) & -(7,8) closed
Terminals +(4,5) & (6) open

DRAWING TO BS8888:2000
GEOMETRIC TOLERANCES TO ISO1101:1983
LINEAR DIMENSIONAL TOLS
ANGULAR DIMENSIONAL TOLS

STANDARDS
GNExCP7 ; STExCP8 ; WP7 units with DIN Rail

DRAWN D.HOWGILL DATE 05-03-2020
CHECKED R.N.POTTS DATE 05-03-2020
APPROVED R.N.POTTS DATE 05-03-2020

SURFACE FINISH | WEIGHT (Kg)
MATERIAL
ALTERNATIVE MATERIAL

e2S warning signals
EUROPEAN SAFETY SYSTEMS LTD
IMPRESS HOUSE
MANSELL ROAD
ACTON
LONDON W3 7QH
WWW.E2S.COM

ALL DIMENSIONS IN MM
IF IN DOUBT, ASK - DO NOT SCALE

A3

TITLE **GNExCP7 ; STExCP8 ; WP7 CALL POINT WIRING / CIRCUIT OPERATION DIAGRAM**

SCALE NTS | SHEET 7 OF 8 | DRAWING NUMBER **D202-06-211**

DUAL MICROSWITCHES IN PARALLEL, LED & DEVICES

SHEET 8

Notes:
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]-[v][e][s]

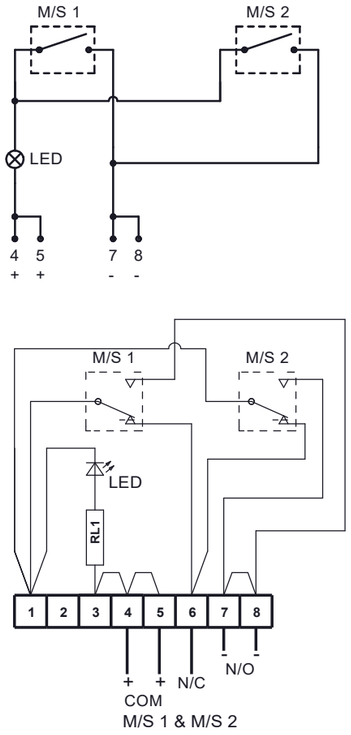
- [s] Switch Type
- [t] Terminals
- [l] Product Version
- [e] Product Option
- [m] LED Indicator
- [d] EOL Module
- [v] Series Module

Module Device Codes		
	EOL	Series
Resistor	ExxxR	SxxxR
Diode	ED1	SD1
Zener Diode	ExxxZ	SxxxZ
LED	N/A	L or C

ISSUE	MOD No.	REASON - INITIAL - DATE
5	ACN0102	Addition of BG version ; Options clarified RNP 15-04-2022
6	ACN0127	Configuration coding added and aligned with other call points. LED options added ; PCB page moved to new document. RNP 14-07-2023

DUAL SWITCH WITH LED — CONFIG. D8-1

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[D]	DIN Rail
PRODUCT OPTION [o]	[P]	Parallel Wiring
LED INDICATOR [u]	[L]	LED with RL1



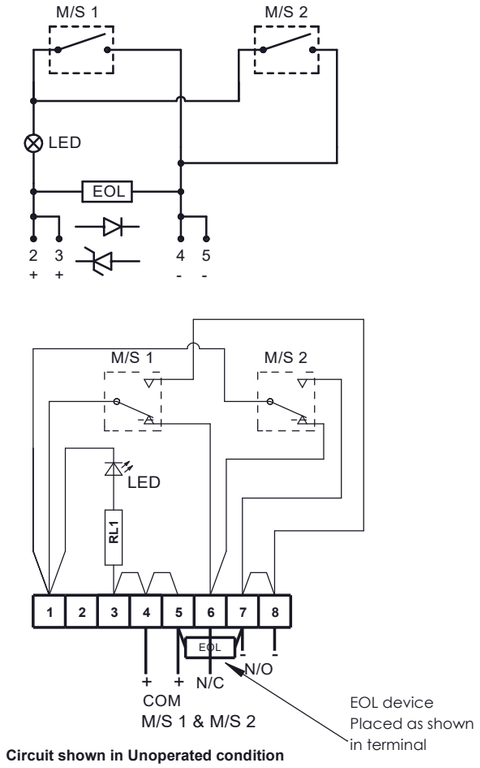
Circuit shown in Unoperated condition

Unoperated condition
(Glass Intact / Standby Condition)
Terminals +(4,5) & -(7,8) open
Terminals +(4,5) & (6) closed

Operated condition
(Glass Broken / Button pushed in)
Terminals +(4,5) & -(7,8) closed
Terminals +(4,5) & (6) open

DUAL SWITCH WITH LED & EOL DEVICE — CONFIG. D8-2

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[D]	DIN Rail
PRODUCT OPTION [o]	[P]	Parallel Wiring
LED INDICATOR [u]	[L]	LED with RL1
EOL MODULE [e]	[Exxxx]	EOL Device



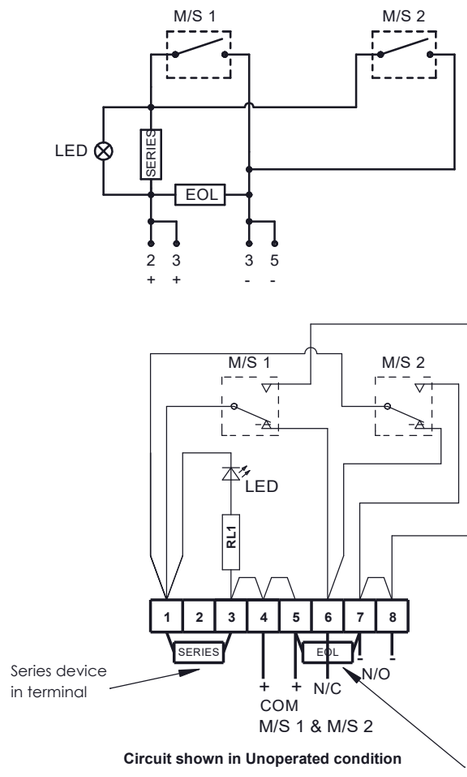
Circuit shown in Unoperated condition

Unoperated condition
(Glass Intact / Standby Condition)
Terminals +(4,5) & -(7,8) open
Terminals +(4,5) & (6) closed

Operated condition
(Glass Broken / Button pushed in)
Terminals +(4,5) & -(7,8) closed
Terminals +(4,5) & (6) open

DUAL SWITCH WITH EOL & SERIES DEVICE — CONFIG. D8-3

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[D]	DIN Rail Only
PRODUCT OPTION [o]	[P]	Parallel Wiring
LED INDICATOR [u]	[L]	LED with RL1
MODULE [e][s]	[Exxxx][Sxxxx]	EOL + Series



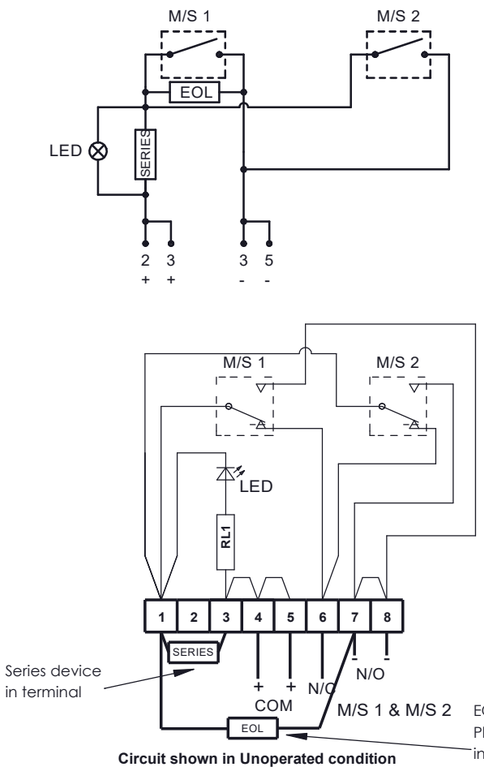
Circuit shown in Unoperated condition

Unoperated condition
(Glass Intact / Standby Condition)
Terminals +(4,5) & -(7,8) open
Terminals +(4,5) & (6) closed

Operated condition
(Glass Broken / Button pushed in)
Terminals +(4,5) & -(7,8) closed
Terminals +(4,5) & (6) open

DUAL SWITCH WITH EOL & SERIES DEVICE — CONFIG. D8-4

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[D]	DIN Rail Only
PRODUCT OPTION [o]	[V]	Parallel Wiring Alt. EOL
LED INDICATOR [u]	[L]	LED with RL1
MODULE [e][s]	[Exxxx][Sxxxx]	EOL + Series



Circuit shown in Unoperated condition

Unoperated condition
(Glass Intact / Standby Condition)
Terminals +(4,5) & -(7,8) open
Terminals +(4,5) & (6) closed

Operated condition
(Glass Broken / Button pushed in)
Terminals +(4,5) & -(7,8) closed
Terminals +(4,5) & (6) open

DRAWING TO BS8888:2000
GEOMETRIC TOLERANCES TO ISO1101:1983
LINEAR DIMENSIONAL TOLS
ANGULAR DIMENSIONAL TOLS

STANDARDS
GNExCP7 ; STExCP8 ; WP7 units with DIN Rail

DRAWN D.HOWGILL DATE 05-03-2020
CHECKED R.N.POTTS DATE 05-03-2020
APPROVED R.N.POTTS DATE 05-03-2020

SURFACE FINISH | WEIGHT (Kg)
MATERIAL
ALTERNATIVE MATERIAL

e2S warning signals
EUROPEAN SAFETY SYSTEMS LTD
IMPRESS HOUSE
MANSELL ROAD
ACTON
LONDON W3 7QH
WWW.E2S.COM

ALL DIMENSIONS IN MM
IF IN DOUBT, ASK - DO NOT SCALE

A3

TITLE **GNExCP7 ; STExCP8 ; WP7 CALL POINT WIRING / CIRCUIT OPERATION DIAGRAM**

SCALE NTS | SHEET 8 OF 8 | DRAWING NUMBER **D202-06-211**

SINGLE MICROSWITCH DEVICES

SHEET 1

PRODUCTS:
GNExCP7, STExCP8
& WP7

Diagram	Sheet
Dual Switch Wiring Configurations	2,3,5,6,7,8
LED Indicator Wiring Configurations	4,5,6,8
Parallel Dual Switch Wiring Configurations	7,8

GNEXCP7-BG[s][t][l][e][m][d][v][o][x]-[u][e][s]

Switch Type [s] · Terminals [t] · Product Version [v] · Product Option [o] · LED Indicator [u] · EOL Module [e] · Series Module [s]

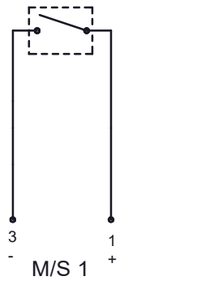
Module Device Codes	EOL	Series
Resistor	ExxxR	SxxxR
Diode	ED1	SD1
Zener Diode	ExxxZ	SxxxZ
LED	N/A	L or C

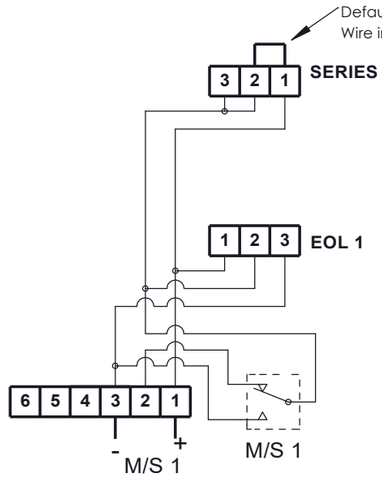
ISSUE	MOD No.	REASON - INITIAL - DATE
1	ACN0127	Addition of LED version ; Options clarified RNP 20-08-2023

SINGLE SWITCH — CONFIG. P1 -1

SWITCH TYPE [s]	[S]	Single
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[1]	Default
LED INDICATOR [u]	[N]	NO LED

Note :- Use when EOL and/or series devices are fitted during installation, or if no series devices are required.





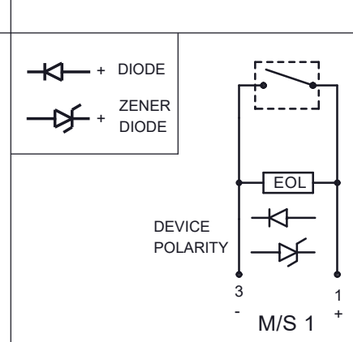
Circuit as shown in Unoperated condition

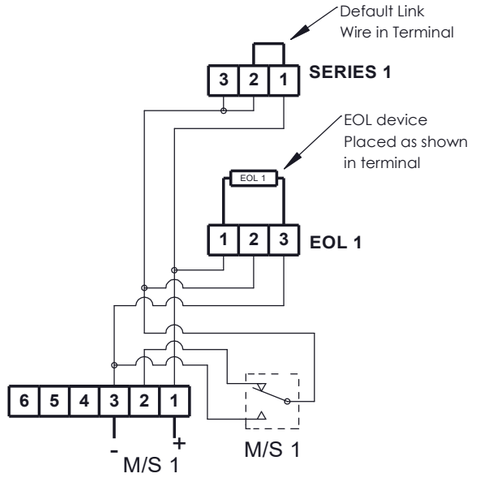
Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 open
Terminals +(1) & (2) M/S 1 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 open
Terminals +(1) & -(3) M/S 1 closed

SINGLE SWITCH WITH SERIES DEVICE — CONFIG. P1-2

SWITCH TYPE [s]	[S]	Single
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[1]	Default
LED INDICATOR [u]	[N]	NO LED
EOL MODULE [e]	[Exxxx]	EOL Device





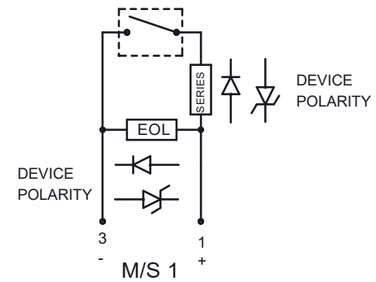
Circuit as shown in Unoperated condition

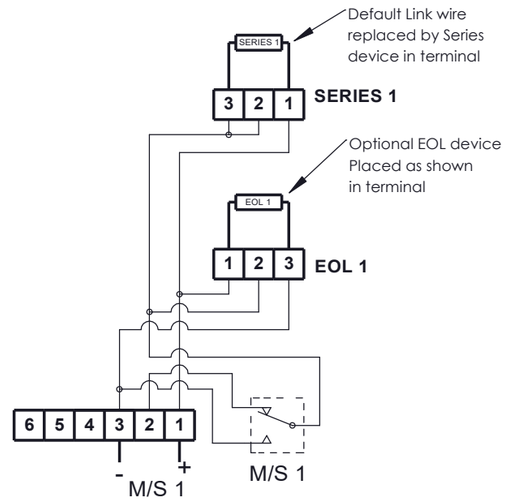
Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 open
Terminals +(1) & (2) M/S 1 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 open
Terminals +(1) & -(3) M/S 1 closed

SINGLE SWITCH WITH EOL & SERIES DEVICES — CONFIG. P1-3

SWITCH TYPE [s]	[S]	Single
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[1]	Default
LED INDICATOR [u]	[N]	NO LED
MODULES [e][s]	[Exxxx][Sxxxx]	EOL + Series





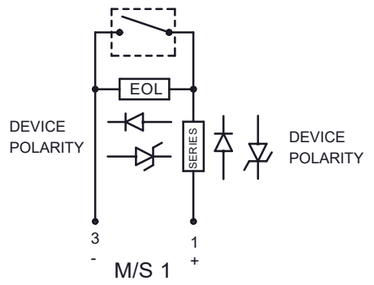
Circuit as shown in Unoperated condition

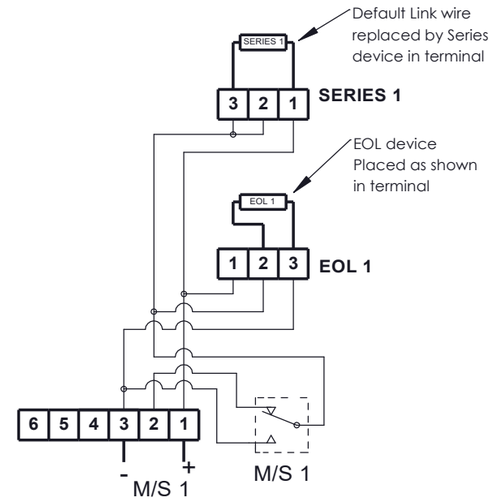
Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 open
Terminals +(1) & (2) M/S 1 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 open
Terminals +(1) & -(3) M/S 1 closed

SINGLE SWITCH WITH EOL & ALT SERIES DEVICES — CONFIG. P1-4

SWITCH TYPE [s]	[S]	Single
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[W]	Alt. EOL Pos'n.
LED INDICATOR [u]	[N]	NO LED
MODULE [e][s]	[Exxxx][Sxxxx]	EOL + Series





Circuit as shown in Unoperated condition

Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 open
Terminals +(1) & (2) M/S 1 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 open
Terminals +(1) & -(3) M/S 1 closed

DRAWING TO BS8888:2000
GEOMETRIC TOLERANCES TO ISO1101:1983
LINEAR DIMENSIONAL TOLS
ANGULAR DIMENSIONAL TOLS

STANDARDS
GNExCP7 ; STExCP8 ; WP7 units with PCB

DRAWN R.N.POTTS DATE 20-08-2023
CHECKED B.ISARD DATE 20-08-2023
APPROVED R.N.POTTS DATE 20-08-2023

SURFACE FINISH | WEIGHT (Kg)
MATERIAL
ALTERNATIVE MATERIAL

e2S warning signals
EUROPEAN SAFETY SYSTEMS LTD
IMPRESS HOUSE
MANSELL ROAD
ACTON
LONDON W3 7QH
WWW.E2S.COM

ALL DIMENSIONS IN MM
IF IN DOUBT, ASK -
DO NOT SCALE

A3

TITLE **GNExCP7 ; STExCP8 ; WP7 CALL POINT WIRING / CIRCUIT OPERATION DIAGRAM**

SCALE NTS | SHEET 1 OF 8 | DRAWING NUMBER **D202-06-212**

DUAL MICROSWITCH DEVICES

SHEET 2

Notes:
1. Other configurations of dual switch units are possible. Contact E2S sales to discuss options.

GNEXCP7-BG[s][t][l][e][m][d][v][o][x]-[u][e][s]

- [s] Switch Type
- [t] Terminals
- [l]
- [e]
- [m]
- [d]
- [v] Product Version
- [o] Product Option
- [x]
- [u] LED Indicator
- [e] EOL Module
- [s] Series Module

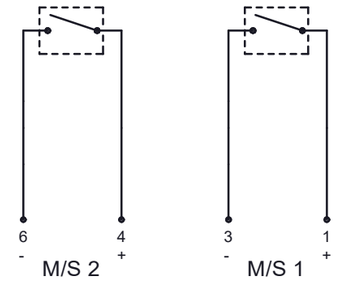
Module Device Codes		
	EOL	Series
Resistor	ExxxR	SxxxR
Diode	ED1	SD1
Zener Diode	ExxxZ	SxxxZ
LED	N/A	L or C

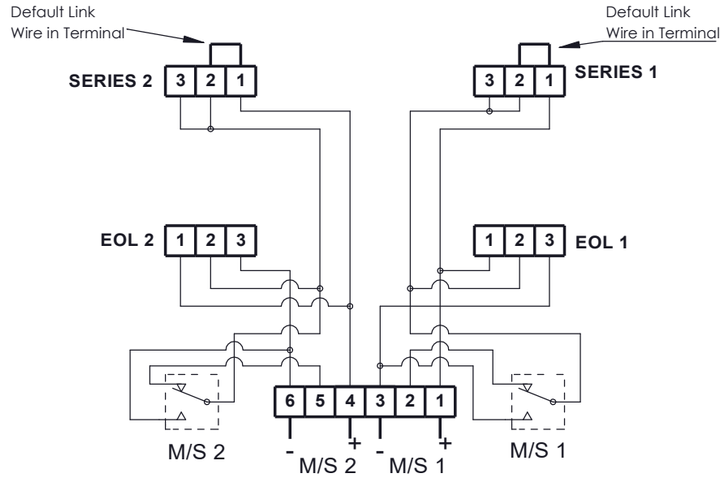
ISSUE	MOD No.	REASON - INITIAL - DATE
1	ACN0127	INTRODUCTION RNP 20-08-2023

DUAL SWITCH — CONFIG. P2-1

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[1]	Default
LED INDICATOR [u]	[N]	NO LED

Note :- Use when EOL and/or series devices are fitted during installation, or if no series devices are required.





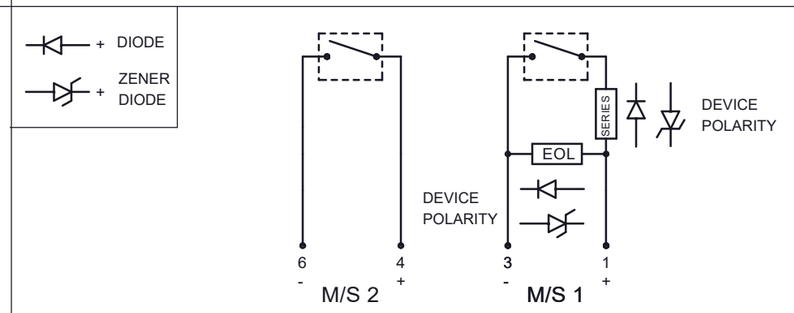
Circuit as shown in Unoperated condition

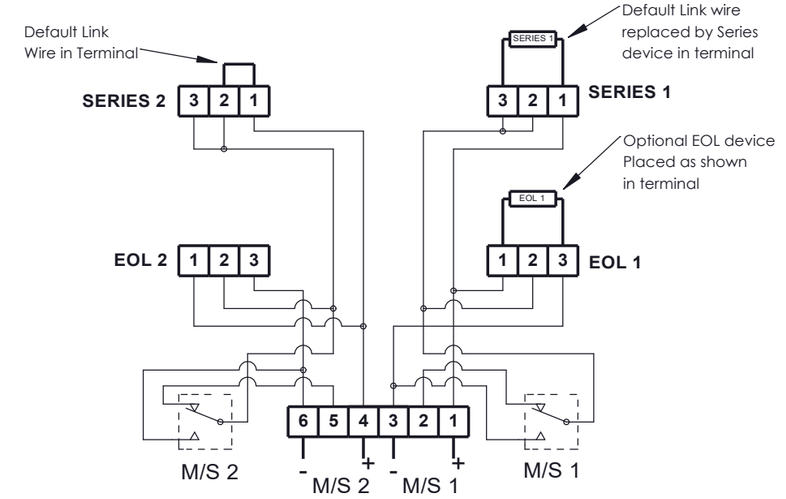
Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 open
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 open
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 closed

DUAL SWITCH WITH EOL & SERIES DEVICES — CONFIG. P2-2

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[1]	Default
LED INDICATOR [u]	[N]	No LED
MODULES [e][s]	[Exxxx][Sxxxx]	EOL + Series





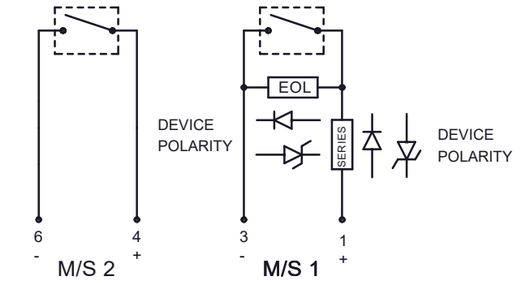
Circuit as shown in Unoperated condition

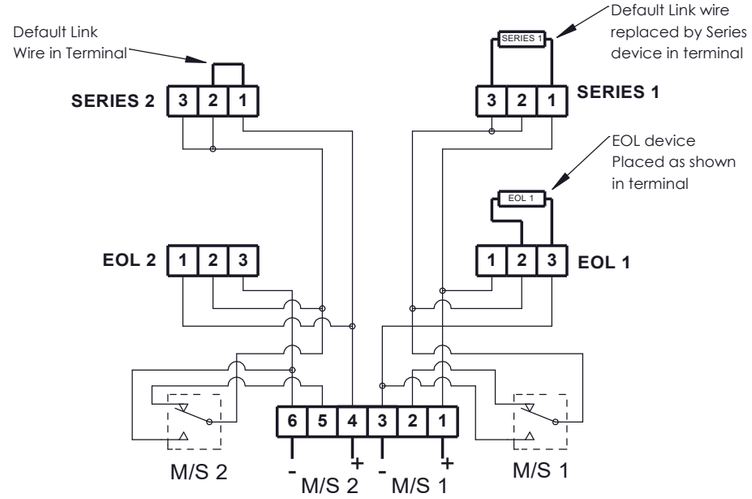
Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 open
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 open
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 closed

DUAL SWITCH WITH EOL & ALT. SERIES DEVICES — CONFIG. P2-3

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[W]	Alt. EOL Pos'n.
LED INDICATOR [u]	[N]	No LED
MODULES [e][s]	[Exxxx][Sxxxx]	EOL + Series





Circuit as shown in Unoperated condition

Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 open
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 open
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 closed

DRAWING TO BS8888:2000
GEOMETRIC TOLERANCES TO ISO1101:1983
LINEAR DIMENSIONAL TOLS
ANGULAR DIMENSIONAL TOLS

STANDARDS
GNExCP7 ; STExCP8 ; WP7 units with PCB

DRAWN	R.N.POTTS	DATE 20-08-2023
CHECKED	B.ISARD	DATE 20-08-2023
APPROVED	R.N.POTTS	DATE 20-08-2023

SURFACE FINISH
WEIGHT (Kg)
MATERIAL
ALTERNATIVE MATERIAL

e2S warning signals
EUROPEAN SAFETY SYSTEMS LTD
IMPRESS HOUSE
MANSELL ROAD
ACTON
LONDON W3 7QH
WWW.E2S.COM

ALL DIMENSIONS IN MM
IF IN DOUBT, ASK - DO NOT SCALE

A3

TITLE **GNExCP7 ; STExCP8 ; WP7 CALL POINT WIRING / CIRCUIT OPERATION DIAGRAM**

SCALE	SHEET	DRAWING NUMBER
NTS	2 OF 8	D202-06-212

DUAL MICROSWITCH DEVICES DUPLICATED

SHEET 3

Notes:
1. Other configurations of dual switch units are possible. Contact E2S sales to discuss options.

GNEXCP7-BG[s][t][l][e][m][d][v][o][x]-[u][e][s]

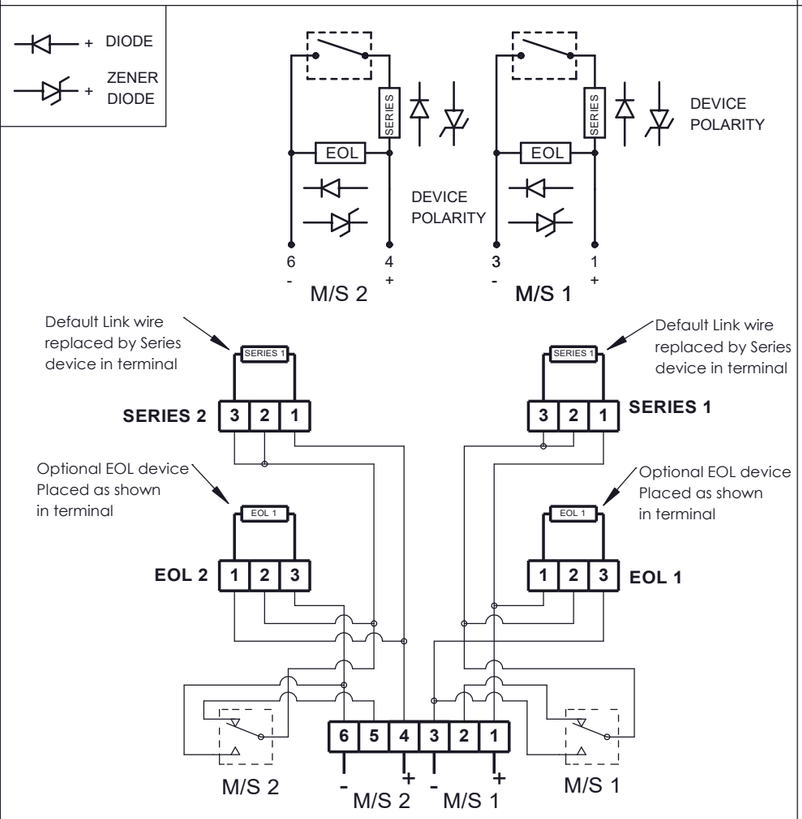
- [s] Switch Type
- [t] Terminals
- [l]
- [e]
- [m]
- [d]
- [v] Product Version
- [o] Product Option
- [x]
- [u] LED Indicator
- [e] EOL Module
- [s] Series Module

Module Device Codes		
	EOL	Series
Resistor	ExxxR	SxxxR
Diode	ED1	SD1
Zener Diode	ExxxZ	SxxxZ
LED	N/A	L or C

ISSUE	MOD No.	REASON - INITIAL - DATE
1	ACN0127	INTRODUCTION RNP 20-08-2023

DUAL SWITCH WITH EOL & SERIES DEVICES DUPLICATED — CONFIG. P3-1

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[2]	Duplicate EOL/Series
LED INDICATOR [u]	[N]	No LED
MODULES [e][s]	[Exxxx][Sxxxx]	EOL + Series



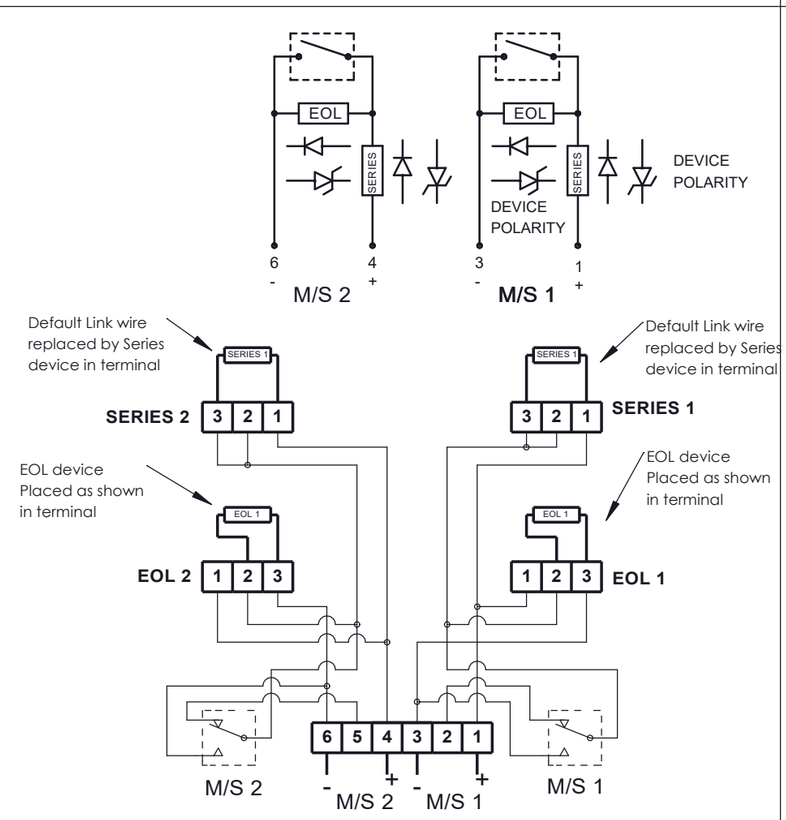
Circuit as shown in Unoperated condition

Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 open
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 open
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 closed

DUAL SWITCH WITH EOL & ALT. SERIES DEVICES DUPLICATED — CONFIG. P3-2

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[Y]	Alt. EOL Pos'n, duplicated
LED INDICATOR [u]	[N]	No LED
MODULES [e][s]	[Exxxx][Sxxxx]	EOL + Series



Circuit as shown in Unoperated condition

Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 open
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 open
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 closed

DRAWING TO BS8888:2000
GEOMETRIC TOLERANCES TO ISO1101:1983
LINEAR DIMENSIONAL TOLS
ANGULAR DIMENSIONAL TOLS

STANDARDS
GNExCP7 ; STExCP8 ; WP7 units with PCB

DRAWN R.N.POTTS DATE 20-08-2023
CHECKED B.ISARD DATE 20-08-2023
APPROVED R.N.POTTS DATE 20-08-2023

SURFACE FINISH | WEIGHT (Kg)
MATERIAL
ALTERNATIVE MATERIAL

2S warning signals
EUROPEAN SAFETY SYSTEMS LTD
IMPRESS HOUSE
MANSELL ROAD
ACTON
LONDON W3 7QH
WWW.E2S.COM

ALL DIMENSIONS IN MM
IF IN DOUBT, ASK - DO NOT SCALE

A3

TITLE **GNExCP7 ; STExCP8 ; WP7 CALL POINT WIRING / CIRCUIT OPERATION DIAGRAM**

SCALE NTS | SHEET 3 OF 8 | DRAWING NUMBER **D202-06-212**

SINGLE MICROSWITCH LED DEVICES

SHEET 4

Notes:
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]

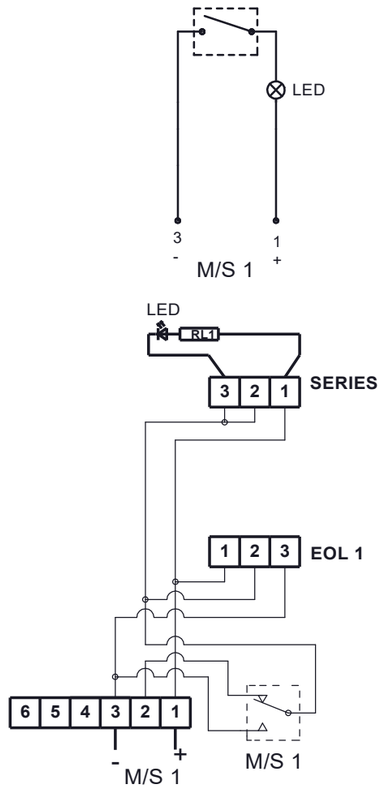
- [s] Switch Type
- [t] Terminals
- [l] Product Version
- [e] Product Option
- [m] EOL Module
- [d] Series Module
- [v] Series Module
- [o] Series Module
- [x] Series Module
- [u] LED Indicator

Module Device Codes	EOL	Series
Resistor	ExxxR	SxxxR
Diode	ED1	SD1
Zener Diode	ExxxZ	SxxxZ
LED	N/A	L or C

ISSUE	MOD No.	REASON - INITIAL - DATE
1	ACN0127	Addition of LED version ; Options clarified RNP 20-08-2023

SINGLE SWITCH — CONFIG. P4 -1

SWITCH TYPE [s]	[S]	Single
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[1]	Default
LED INDICATOR [u]	[L]	LED with RL1



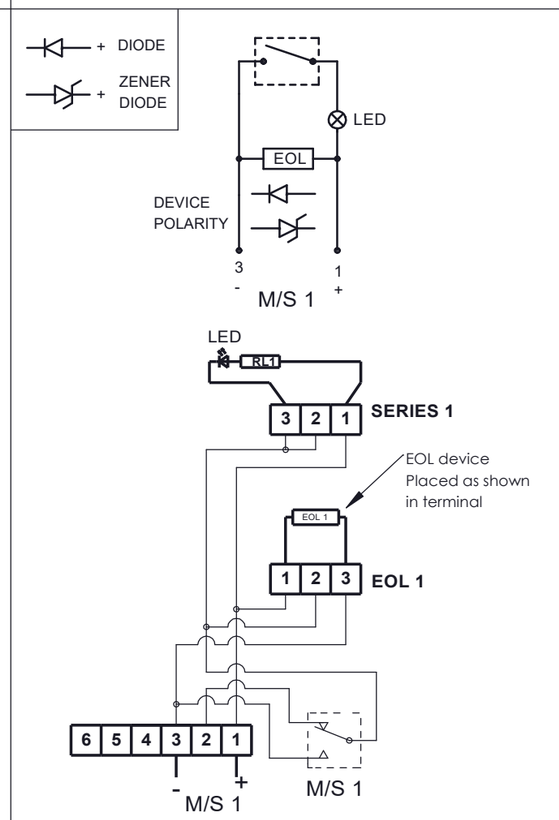
Circuit as shown in Unoperated condition

Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 open
Terminals +(1) & (2) M/S 1 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 open
Terminals +(1) & -(3) M/S 1 closed

SINGLE SWITCH WITH SERIES DEVICES — CONFIG. P4-2

SWITCH TYPE [s]	[S]	Single
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[1]	Default
LED INDICATOR [u]	[L]	LED with RL1
EOL MODULE [e]	[Exxxx]	EOL Device



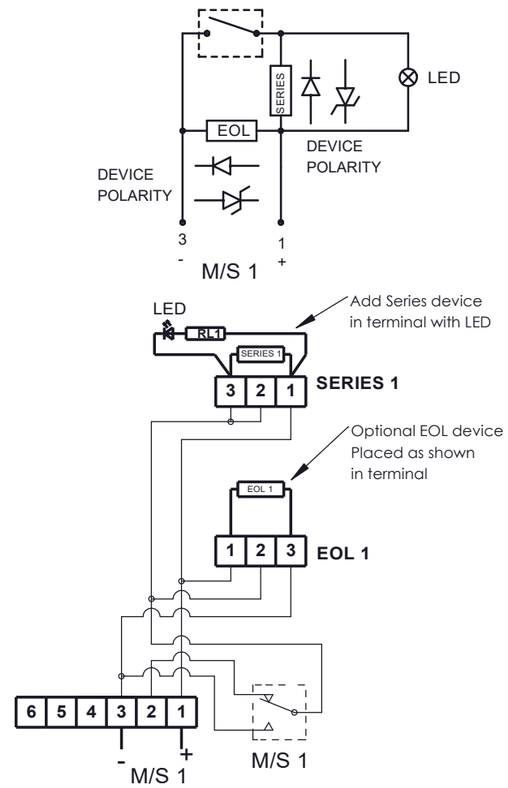
Circuit as shown in Unoperated condition

Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 open
Terminals +(1) & (2) M/S 1 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 open
Terminals +(1) & -(3) M/S 1 closed

SINGLE SWITCH WITH EOL & SERIES DEVICES — CONFIG. P4-3

SWITCH TYPE [s]	[S]	Single
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[1]	Default
LED INDICATOR [u]	[L]	LED with RL1
MODULES [e][s]	[Exxxx][Sxxxx]	EOL + Series



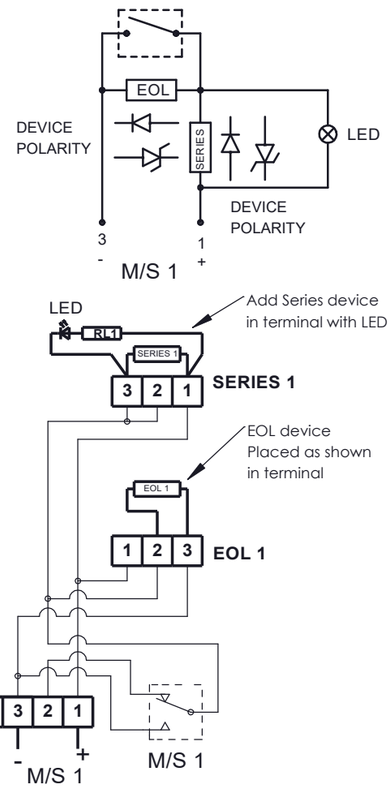
Circuit as shown in Unoperated condition

Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 open
Terminals +(1) & (2) M/S 1 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 open
Terminals +(1) & -(3) M/S 1 closed

SINGLE SWITCH WITH EOL & ALT SERIES DEVICES — CONFIG. P4-4

SWITCH TYPE [s]	[S]	Single
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[W]	Alt. EOL Pos'n.
LED INDICATOR [u]	[L]	LED with RL1
MODULE [e][s]	[Exxxx][Sxxxx]	EOL + Series



Circuit as shown in Unoperated condition

Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 open
Terminals +(1) & (2) M/S 1 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 open
Terminals +(1) & -(3) M/S 1 closed

DRAWING TO BS8888:2000
GEOMETRIC TOLERANCES TO ISO1101:1983
LINEAR DIMENSIONAL TOLS
ANGULAR DIMENSIONAL TOLS

STANDARDS
GNExCP7 ; STExCP8 ; WP7 units with PCB

DRAWN	R.N.POTTS	DATE 20-08-2023
CHECKED	B.ISARD	DATE 20-08-2023
APPROVED	R.N.POTTS	DATE 20-08-2023

SURFACE FINISH | WEIGHT (Kg)

MATERIAL

ALTERNATIVE MATERIAL

e2S warning signals
EUROPEAN SAFETY SYSTEMS LTD
IMPRESS HOUSE
MANSELL ROAD
ACTON
LONDON W3 7QH
WWW.E2S.COM

ALL DIMENSIONS IN MM
IF IN DOUBT, ASK - DO NOT SCALE

A3

TITLE **GNExCP7 ; STExCP8 ; WP7 CALL POINT WIRING / CIRCUIT OPERATION DIAGRAM**

SCALE	SHEET	DRAWING NUMBER
NTS	4 OF 8	D202-06-212

DUAL MICROSWITCH LED DEVICES

SHEET 5

Notes:
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]

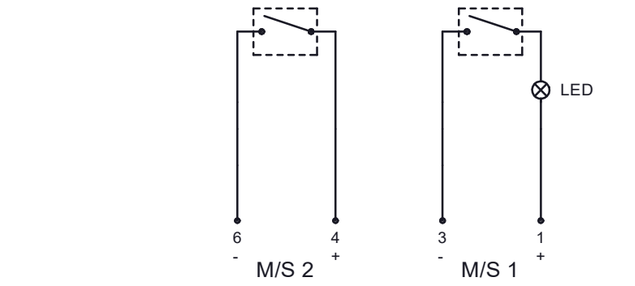
Switch Type [s] · Terminals [t] · Product Version [v] · Product Option [o] · LED Indicator [u] · EOL Module [e] · Series Module [s]

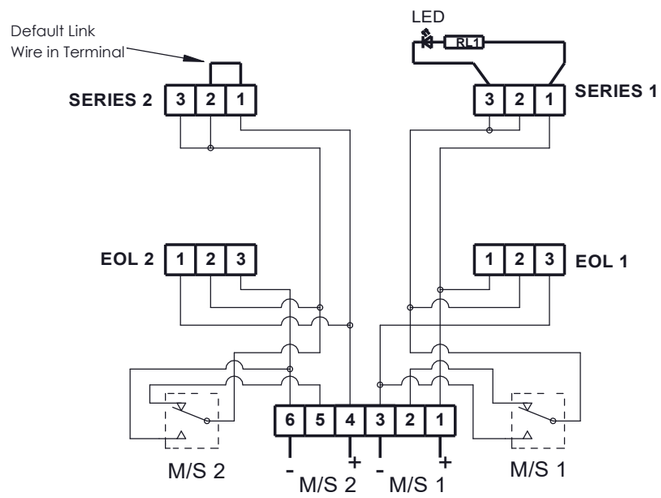
Module Device Codes	EOL	Series
Resistor	ExxxR	SxxxR
Diode	ED1	SD1
Zener Diode	ExxxZ	SxxxZ
LED	N/A	L or C

ISSUE	MOD No.	REASON - INITIAL - DATE
1	ACN0127	INTRODUCTION RNP 20-08-2023

DUAL SWITCH WITH LED — CONFIG. P5-1

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[1]	Default
LED INDICATOR [u]	[L]	LED with RL1





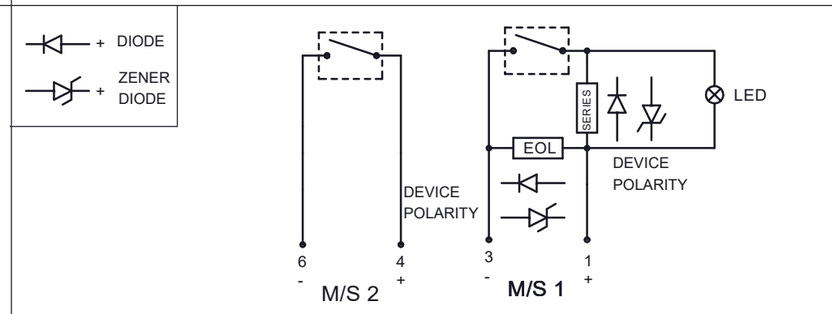
Circuit as shown in Unoperated condition

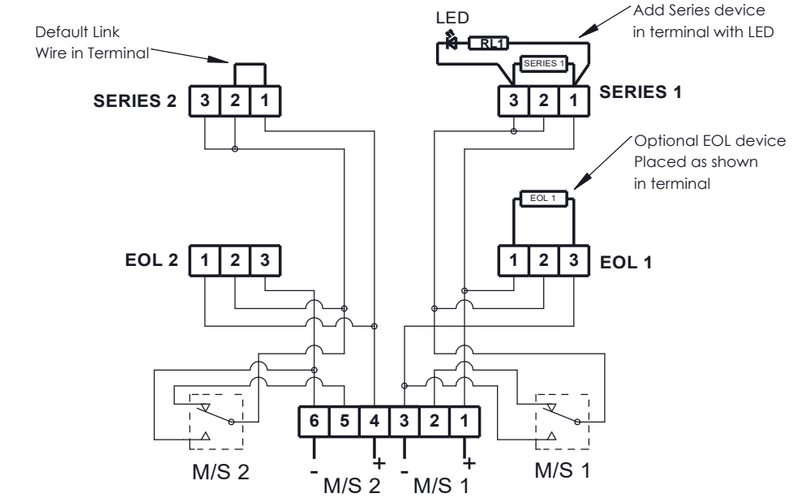
Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 open
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 open
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 closed

DUAL SWITCH WITH LED, EOL & SERIES DEVICES — CONFIG. P5-2

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[1]	Default
LED INDICATOR [u]	[L]	LED with RL1
MODULES [e][s]	[Exxxx][Sxxxx]	EOL + Series





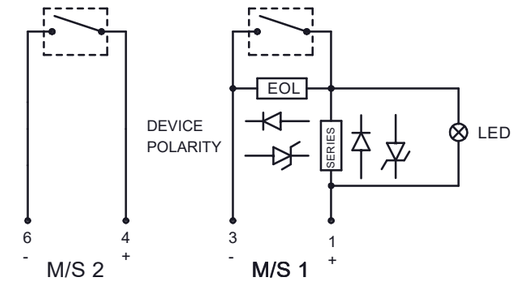
Circuit as shown in Unoperated condition

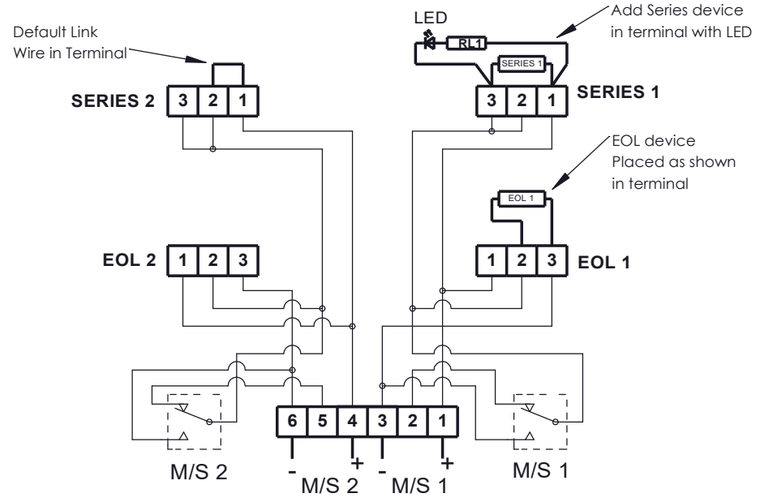
Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 open
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 open
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 closed

DUAL SWITCH WITH LED, EOL & ALT. SERIES DEVICES — CONFIG. P5-3

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[W]	Alt. EOL Pos'n.
LED INDICATOR [u]	[L]	LED with RL1
MODULES [e][s]	[Exxxx][Sxxxx]	EOL + Series





Circuit as shown in Unoperated condition

Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 open
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 open
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 closed

DRAWING TO BS8888:2000
GEOMETRIC TOLERANCES TO ISO1101:1983
LINEAR DIMENSIONAL TOLS
ANGULAR DIMENSIONAL TOLS

STANDARDS
GNExCP7 ; STExCP8 ; WP7 units with PCB

DRAWN R.N.POTTS DATE 20-08-2023
CHECKED B.ISARD DATE 20-08-2023
APPROVED R.N.POTTS DATE 20-08-2023

SURFACE FINISH · WEIGHT (Kg) · MATERIAL · ALTERNATIVE MATERIAL

e2S warning signals
EUROPEAN SAFETY SYSTEMS LTD
IMPRESS HOUSE
MANSELL ROAD
ACTON
LONDON W3 7QH
WWW.E2S.COM

ALL DIMENSIONS IN MM
IF IN DOUBT, ASK - DO NOT SCALE

A3

TITLE **GNExCP7 ; STExCP8 ; WP7 CALL POINT WIRING / CIRCUIT OPERATION DIAGRAM**

SCALE NTS · SHEET 5 OF 8 · DRAWING NUMBER **D202-06-212**

DUAL MICROSWITCH LED & DEVICES DUPLICATED

SHEET 6

Notes:
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]

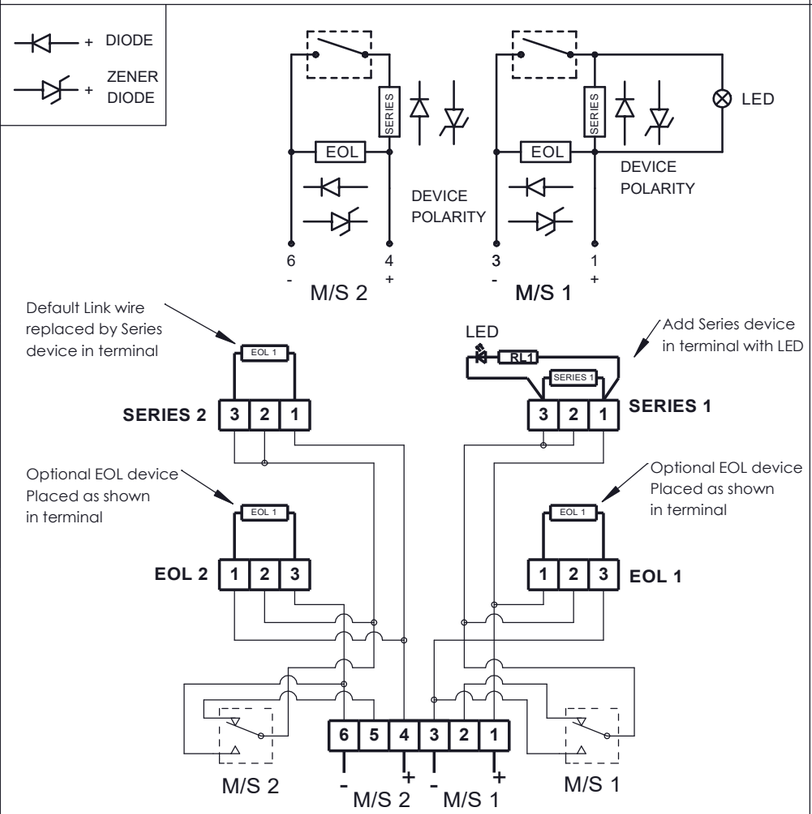
- [s] Switch Type
- [t] Terminals
- [l]
- [e]
- [m]
- [d]
- [v] Product Version
- [o] Product Option
- [x]
- [u] LED Indicator
- [e] EOL Module
- [s] Series Module

Module Device Codes	EOL	Series
Resistor	ExxxR	SxxxR
Diode	ED1	SD1
Zener Diode	ExxxZ	SxxxZ
LED	N/A	L or C

ISSUE	MOD No.	REASON - INITIAL - DATE
1	ACN0127	INTRODUCTION RNP 20-08-2023

DUAL SWITCH WITH LED, EOL & SERIES DEVICES DUPLICATED — CONFIG. P6-1

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[2]	Duplicate EOL/Series
LED INDICATOR [u]	[L]	LED with RL1
MODULES [e][s]	[Exxxx][Sxxxx]	EOL + Series



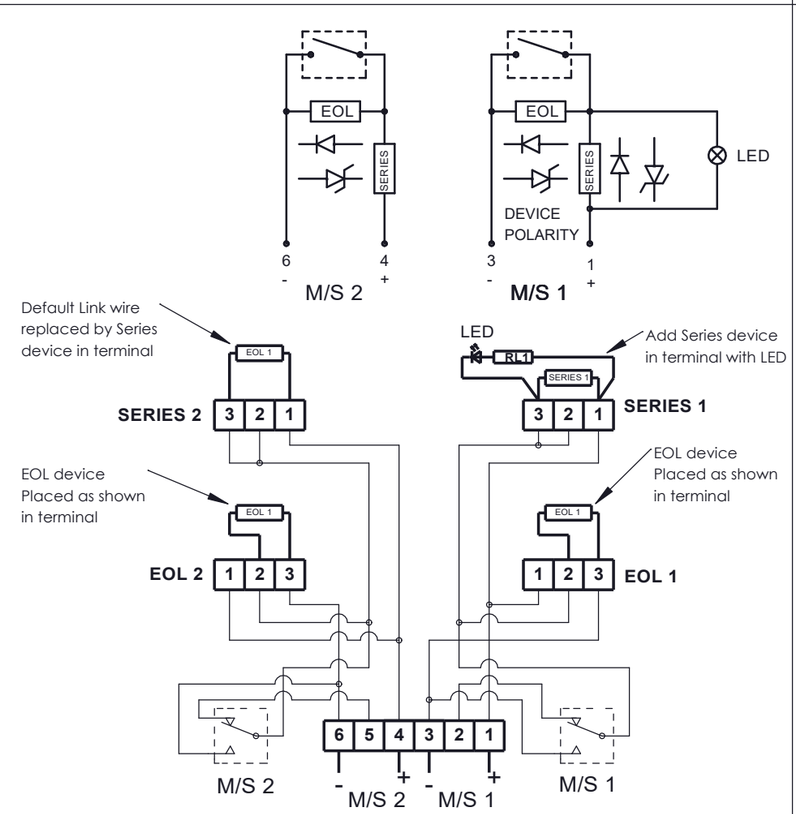
Circuit as shown in Unoperated condition

Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 open
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 open
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 closed

DUAL SWITCH WITH LED, EOL & ALT. SERIES DEVICES DUPLICATED — CONFIG. P6-2

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[Y]	Alt. EOL Pos'n duplicated
LED INDICATOR [u]	[L]	LED with RL1
MODULES [e][s]	[Exxxx][Sxxxx]	EOL + Series



Circuit as shown in Unoperated condition

Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 open
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 open
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 closed

DRAWING TO BS8888:2000
GEOMETRIC TOLERANCES TO ISO1101:1983
LINEAR DIMENSIONAL TOLS
ANGULAR DIMENSIONAL TOLS

STANDARDS
GNExCP7 ; STExCP8 ; WP7 units with PCB

DRAWN	R.N.POTTS	DATE 20-08-2023
CHECKED	B.ISARD	DATE 20-08-2023
APPROVED	R.N.POTTS	DATE 20-08-2023

SURFACE FINISH | WEIGHT (Kg)
MATERIAL
ALTERNATIVE MATERIAL

e2S warning signals
EUROPEAN SAFETY SYSTEMS LTD
IMPRESS HOUSE
MANSELL ROAD
ACTON
LONDON W3 7QH
WWW.E2S.COM

ALL DIMENSIONS IN MM
IF IN DOUBT, ASK - DO NOT SCALE

A3

TITLE **GNExCP7 ; STExCP8 ; WP7 CALL POINT WIRING / CIRCUIT OPERATION DIAGRAM**

SCALE	SHEET	DRAWING NUMBER
NTS	6 OF 8	D202-06-212

DUAL MICROSWITCH IN PARALLEL, & DEVICES

SHEET 7

Notes:
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]

Switch Type [s] · Terminals [t] · Product Version [v] · Product Option [o] · LED Indicator [u] · EOL Module [e] · Series Module [s]

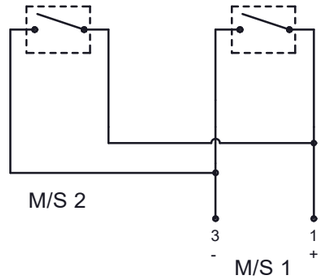
Module Device Codes	EOL	Series
Resistor	ExxxR	SxxxR
Diode	ED1	SD1
Zener Diode	ExxxZ	SxxxZ
LED	N/A	L or C

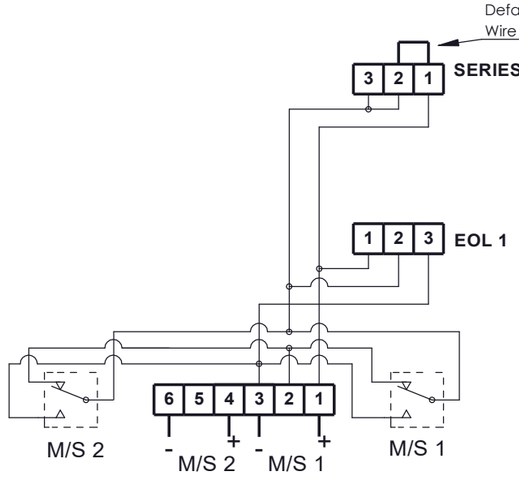
ISSUE	MOD No.	REASON - INITIAL - DATE
1	ACN0127	INTRODUCTION RNP 20-08-2023

DUAL SWITCH PARALLEL — CONFIG. P7-1

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[P]	Parallel Wiring
LED INDICATOR [u]	[N]	No LED

Note :- Use when EOL and/or series devices are fitted during installation, or if no series devices are required.





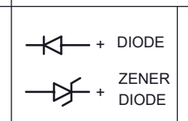
Circuit as shown in Unoperated condition

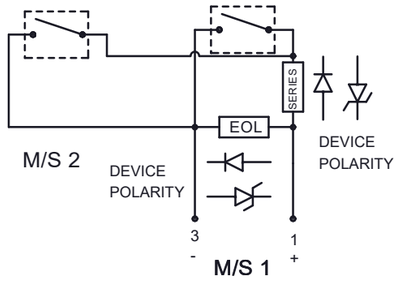
Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 open
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 closed

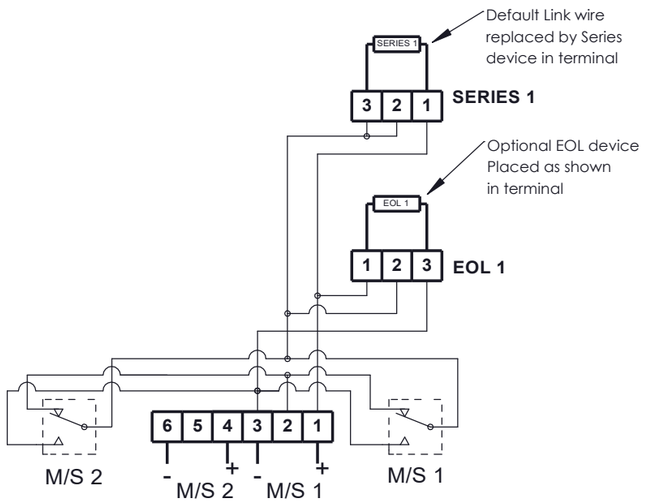
Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 open
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 closed

DUAL SWITCH, PARALLEL WITH EOL & SERIES DEVICES — CONFIG. P7-2

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[P]	Parallel Wiring
LED INDICATOR [u]	[N]	No LED
MODULES [e][s]	[Exxxx][Sxxxx]	EOL + Series







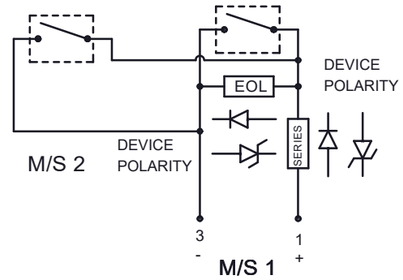
Circuit as shown in Unoperated condition

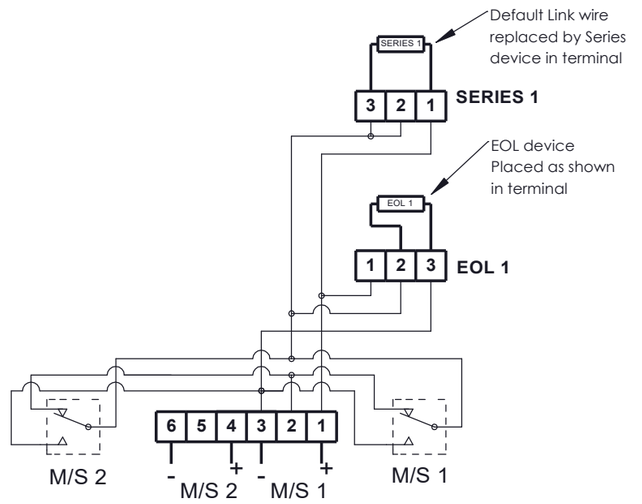
Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 open
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 open
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 closed

DUAL SWITCH, PARALLEL WITH EOL & ALT. SERIES DEVICES — CONFIG. P7-3

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[V]	Parallel Wiring Alt. EOL Pos'n.
LED INDICATOR [u]	[N]	No LED
MODULES [e][s]	[Exxxx][Sxxxx]	EOL + Series





Circuit as shown in Unoperated condition

Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 open
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 open
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 closed

DRAWING TO BS8888:2000
GEOMETRIC TOLERANCES TO ISO1101:1983
LINEAR DIMENSIONAL TOLS
ANGULAR DIMENSIONAL TOLS

STANDARDS

DRAWN	R.N.POTTS	DATE 20-08-2023
CHECKED	B.ISARD	DATE 20-08-2023
APPROVED	R.N.POTTS	DATE 20-08-2023

SURFACE FINISH · WEIGHT (Kg)

MATERIAL

ALTERNATIVE MATERIAL

e2S warning signals
EUROPEAN SAFETY SYSTEMS LTD
IMPRESS HOUSE
MANSELL ROAD
ACTON
LONDON W3 7QH
WWW.E2S.COM

ALL DIMENSIONS IN MM
IF IN DOUBT, ASK - DO NOT SCALE

A3

TITLE **GNExCP7 ; STExCP8 ; WP7 CALL POINT WIRING / CIRCUIT OPERATION DIAGRAM**

SCALE	SHEET	DRAWING NUMBER
NTS	7 OF 8	D202-06-212

DUAL MICROSWITCH IN PARALLEL, LED & DEVICES

SHEET 8

Notes:
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]

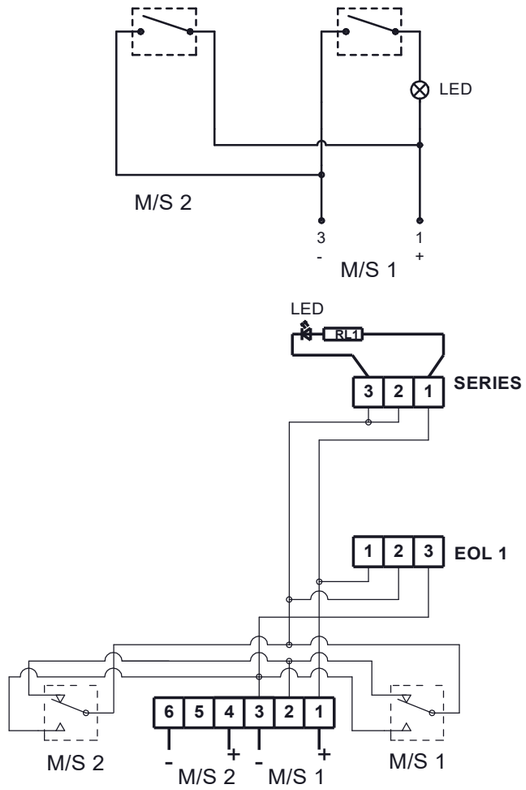
- [s] Switch Type
- [t] Terminals
- [l] LED Indicator
- [e] Module Series
- [m] EOL Module
- [d] Product Version
- [v] Product Option
- [o] Product Option
- [x] EOL Module
- [u] LED Indicator
- [e] EOL Module
- [s] Module Series

Module Device Codes	EOL	Series
Resistor	ExxxR	SxxxR
Diode	ED1	SD1
Zener Diode	ExxxZ	SxxxZ
LED	N/A	L or C

ISSUE	MOD No.	REASON - INITIAL - DATE
1	ACN0127	INTRODUCTION RNP 20-08-2023

DUAL SWITCH PARALLEL WITH LED — CONFIG. P8-1

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[P]	Parallel Wiring
LED INDICATOR [u]	[L]	LED with RL1



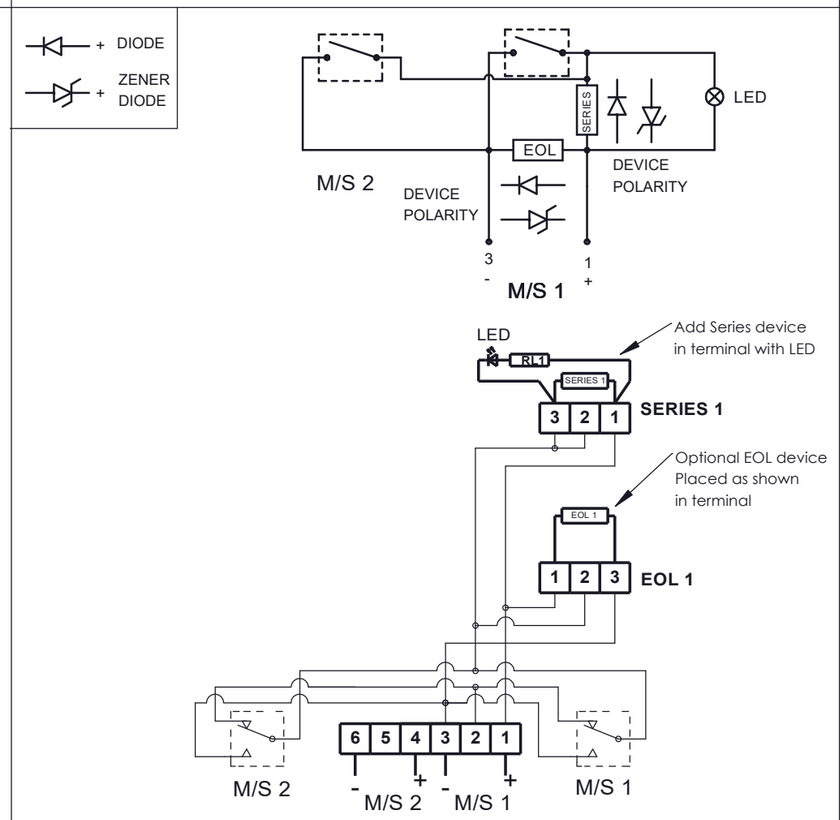
Circuit as shown in Unoperated condition

Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 open
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 open
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 closed

DUAL SWITCH PARALLEL WITH LED, EOL & SERIES DEVICES — CONFIG. P8-2

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[P]	Parallel Wiring
LED INDICATOR [u]	[L]	LED with RL1
MODULES [e][s]	[Exxxx][Sxxxx]	EOL + Series



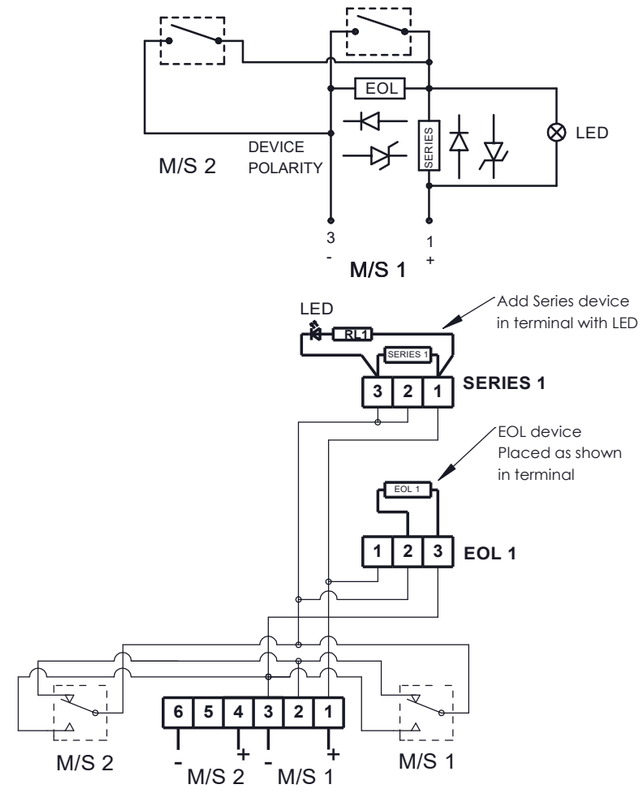
Circuit as shown in Unoperated condition

Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 open
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 open
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 closed

DUAL SWITCH PARALLEL WITH LED, EOL & ALT. SERIES DEVICES — CONFIG. P8-3

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[V]	Parallel Wiring Alt. EOL Pos'n.
LED INDICATOR [u]	[L]	LED with RL1
MODULES [e][s]	[Exxxx][Sxxxx]	EOL + Series



Circuit as shown in Unoperated condition

Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 open
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 open
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 closed

DRAWING TO BS8888:2000
GEOMETRIC TOLERANCES TO ISO1101:1983
LINEAR DIMENSIONAL TOLS
ANGULAR DIMENSIONAL TOLS

STANDARDS
GNExCP7 ; STExCP8 ; WP7 units with PCB

DRAWN	R.N.POTTS	DATE 20-08-2023
CHECKED	B.ISARD	DATE 20-08-2023
APPROVED	R.N.POTTS	DATE 20-08-2023

SURFACE FINISH | WEIGHT (Kg)

MATERIAL

ALTERNATIVE MATERIAL

e2S warning signals
EUROPEAN SAFETY SYSTEMS LTD
IMPRESS HOUSE
MANSELL ROAD
ACTON
LONDON W3 7QH
WWW.E2S.COM

ALL DIMENSIONS IN MM
IF IN DOUBT, ASK - DO NOT SCALE

A3

TITLE **GNExCP7 ; STExCP8 ; WP7 CALL POINT WIRING / CIRCUIT OPERATION DIAGRAM**

SCALE	SHEET	DRAWING NUMBER
NTS	8 OF 8	D202-06-212

EU & UKCA Declaration of Conformity

Manufacturer:	European Safety Systems Ltd. Impress House, Mansell Road, Acton London, W3 7QH United Kingdom
Authorised Representative:	E2S Warnsignaltechnik UG Charlottenstrasse 45-51 72764 Reutlingen Germany
Equipment Type:	WP3-BG, WP6-PB, WP7-PB, WP7-PT, WP7-PM

Directive 2014/30/EU: Electromagnetic Compatibility Directive (EMC)

Standards applied:	EN 61000-6-1:2007 EN 61000-6-2:2005 EN 61000-6-3:2007 / A1:2011 / AC: 2012 EN 61000-6-4:2007 / A1:2011

Directive 2006/95/EC (until 19th April 2016) / Directive 2014/35/EU (from 20th April 2016): Low Voltage Directive (LVD)

Standards applied:	EN 60947-1:2007+A2:2014

Directive 2011/65/EU: Restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

The product and all the components contained within it are in accordance with the restriction of the use of hazardous substances in electrical and electronic equipment, including amendment by Directive 2015/863/EU.

Regulation (EC) 1907/2006: Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

The product and all the components contained within it are free from substances of very high concern.

Other Standards and Regulations

EN 60529:1992+A2:2013 - Degrees of protection provided by enclosures (IP code) – enclosure rated IP66

On behalf of European Safety Systems Ltd., I declare that, on the date the equipment accompanied by this declaration is placed on the market, the equipment conforms with all technical and regulatory requirements of the above listed directives, regulations and standards.

This Declaration is issued under the sole responsibility of the manufacturer.

Martin Streetz
Quality Assurance Manager

Document No.: DC-081_Issue_C
Date and Place of Issue: London, 23/11/2022