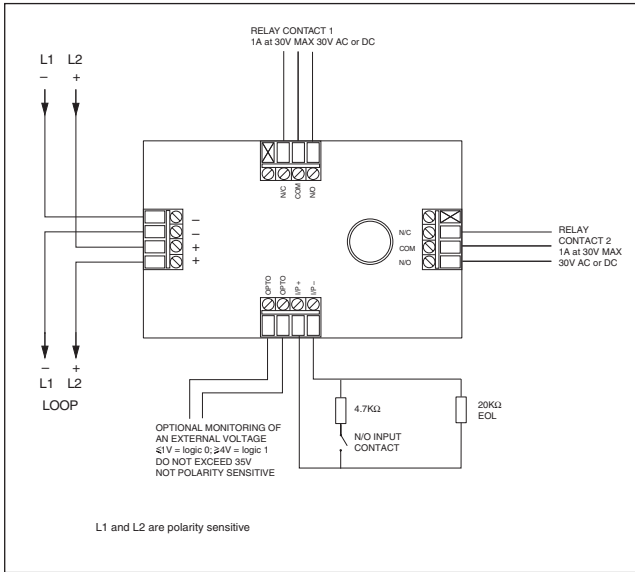




## Schematic Diagram and Wiring Connections



## Technical Data

Minimum loop operating voltage in normal conditions	17V DC
Maximum loop operating voltage	28V DC
Maximum current consumption at 24V DC no protocol	
Switch-on surge, max 150ms	3.5mA
Quiescent, 20kΩ EOL fitted	1.25mA
Switch input closed 'switch closed' LED on	2.5mA
Switch input closed (LED disabled)	1.5mA
Any other condition (max 2 LEDs on)	3.5mA
Relay operated	2mA
Switch input monitoring voltage (open-circuit condition)	9–11V DC
Maximum cable resistance	50Ω
Opto-coupled input	
maximum voltage	35V DC
impedance	10kΩ
Relay output contact rating (inductive or resistive)	1A at 30V AC or DC
Relay output wetting current at 10mV DC	10μA
On resistance	0.2Ω
Maximum continuous current	1A
Maximum switching current	3A
Maximum load	20 XP95/Discovery detectors

Operating temperature	-20°C to +70°C
Humidity (no condensation)	0–95%
Shock	to GEI 1-052
Vibration	
Impact	
IP rating	54

**CE** Marked

### LOW VOLTAGE DIRECTIVE 73/23/EEC

No electrical supply greater than 50V AC rms or 75V DC should be connected to any terminal of this Input/Output Unit.

### EMC DIRECTIVE 89/336/EEC

*The XP95 Input/Output Unit complies with the essential requirements of the EMC directive 89/336/EEC, provided that it is used as described in this PIN sheet and that the contact is not operated more than five times a minute or twice in any two seconds.*