

6000/LPZA Loop Powered Zone Alarm Interface

- Easy to Use
- Reduce Installation Cost
- Simple Expansion using Existing Wiring
- FAST™ Addressing
- Integral Short Circuit Isolator
- Loop Powered
- Protec Conventional Detector and Call Point Zone
- Built in Sounder Circuit Monitored for Open / Short Circuit Faults



The Protec 6000/LPZA is zone alarm Interface which allows the 6000 series intelligent addressable loop to interface to a zone of conventional devices and a conventional sounder circuit.

This interface is ideally suited for small conventional fire detection to be fully integrated with Protec Intelligent addressable systems. The 6000/LPZA is loop powered and does not require external power supply. It can support up to 10 Protec conventional (3000PLUS) detectors. The zone end of line is selectable using the on board DIL switch and can be programmed to resistive or capacitive as per the requirement of BS5939-1. The sounder circuit is monitored for open and short circuit faults and has 50mA current drive capability.

The interface has an inbuilt loop short circuit isolator fitted as standard.

Technical Specification



BS EN54-17:2005
BS EN54-18:2005
KM589455

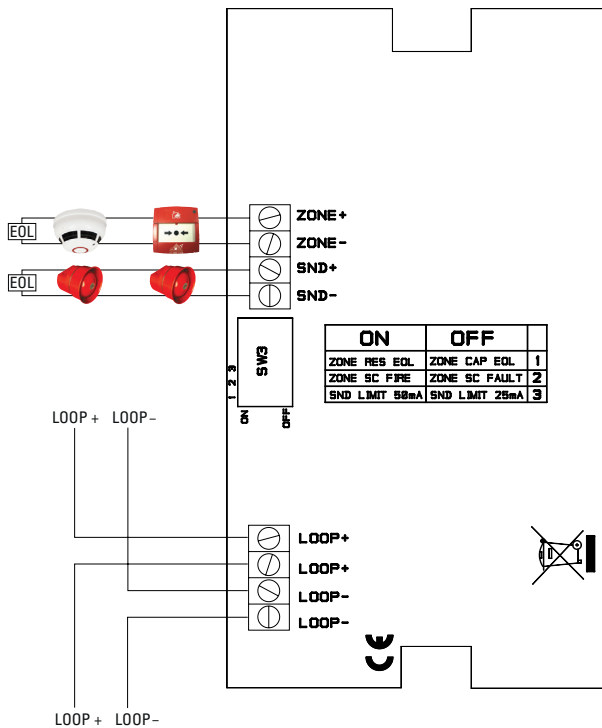
Device Protocol	Protec Algo-tec™ 6000
Loop Isolator	Yes
Loop Voltage	18 to 28V peak loop
Number of Addresses	1
24V Auxiliary Voltage	18 to 28V dc
Environmental	-10 to 50°C (maximum 95% RH no condensation or icing)
Loop Quiescent Current	0.8mA + detector circuit load (0.5mA max) + resistive end of line load (3mA)
Loop Alarm Current	7.5mA plus zone circuit current and sounder circuit current
Zone Circuit EOL²	Resistive - 8.2kΩ ±5% ¼W Capacitive - 100µF ±20% in series with 22Ω ±5% ¼W
Manual Call Point	Must be fitted with a 330Ω or 180Ω series resistor
Detectors Supported	Protec 3000 and 3000PLUS
Sounders Supported	Protec 3000 series
Sounder Circuit EOL²	10kΩ ±5% ¼W

Sounder Circuit Current	Selectable 25mA or 50mA ± 2mA
Weight	120g
Indications	On-board red indicating LED showing when the device is polled, or in the alarm state
Product Approval	BSI Kitemark No: KM589455 CoCP No: 0086-CPR-589456 DoP No: PFD-CPR-0058 Relevant Standard: EN54-17 & 18

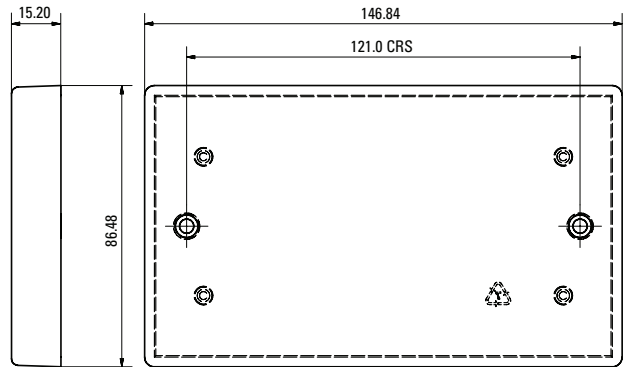
Notes

- 1) For more technical information consult DEL2077
- 2) EOL = End of Line

Circuit Board



Dimensions (mm)



Backbox Requirements - Surface or flush double gang
pattress box minimum of 25mm deep.



Company Policy is one of continuous improvement, we reserve the right to change specification without prior notice

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