

6000/APZA Auxiliary Powered Zone Alarm Interface

- Easy to Use
- Reduce Installation Cost
- Simple Expansion Using Existing Wiring
- FAST™ Addressing
- Integral Short Circuit Isolator
- Auxiliary 24V dc Powered
- Protec Conventional Detector and Call Point Zone
- Built in Sounder Circuit Monitored for Open / Short Circuit Faults



The Protec 6000/APZA is a 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/APZA is powered using an external EN54 Part 4 power supply. It can support up to 20 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 1A 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	0.6mA
Loop Alarm Current	0.6mA
Auxiliary 24V Current	0.6mA Quiescent + detector load (13mA max) + resistive end of line load (3mA) 7.5mA Alarm, 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	1A
Weight	120g
Indications	On-board red indicating LED showing when the device is polled, or in the alarm state

Product Approval

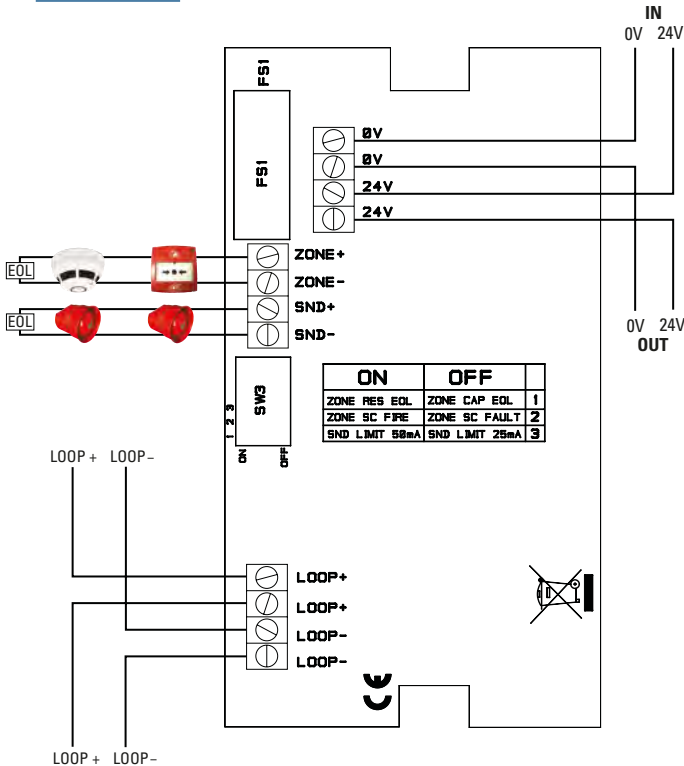


BSI Kitemark No: KM589455
CoCP No: 0086-CPR-589456
DoP No: PFD-CPR-0059
Relevant Standard: EN54-17 & 18

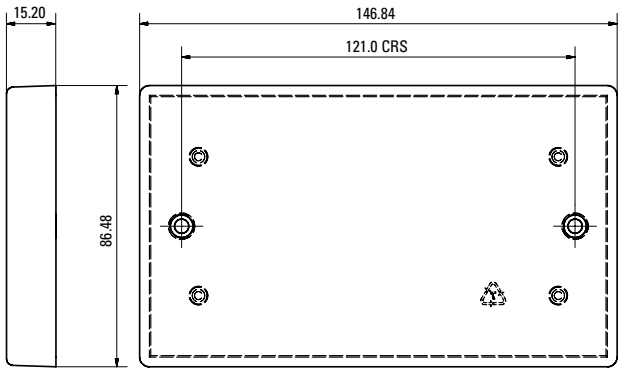
Notes

- 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.

Protec
Protec Fire Detection plc