

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.

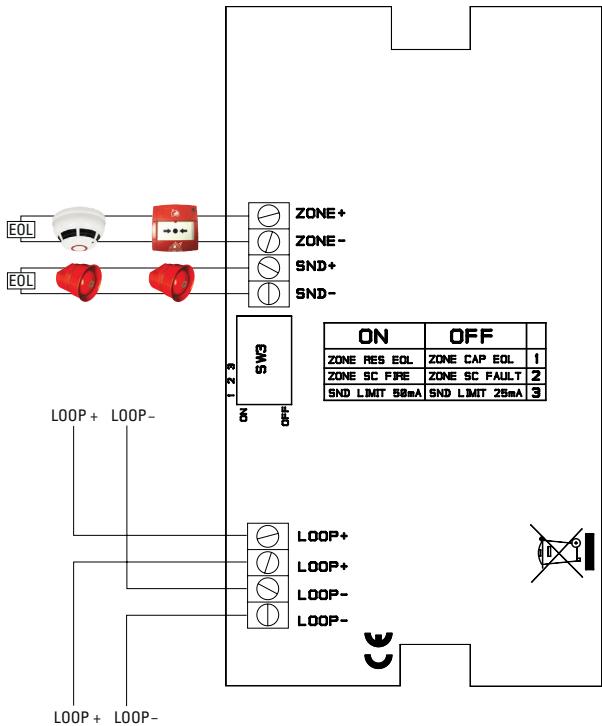
Technical Specification



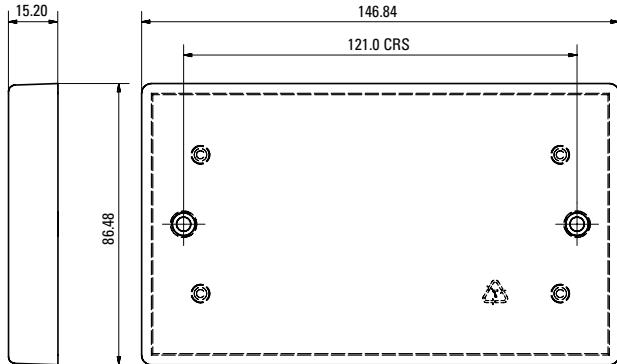
BS EN54-17:2005
BS EN54-18:2005
KM589455

Device Protocol	Protec Algo-tec™ 6000	Sounder Circuit Current	Selectable 25mA or 50mA ± 2mA
Loop Isolator	Yes	Weight	120g
Loop Voltage	18 to 28V peak loop	Indications	On-board red indicating LED showing when the device is polled, or in the alarm state
Number of Addresses	1	Product Approval	BSI Kitemark No: KM589455 CoCP No: 0086-CPR-589456 DoP No: PFD-CPR-0058 Relevant Standard: EN54-17 & 18
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 3000 PLUS		
Sounders Supported	Protec 3000 series		
Sounder Circuit EOL²	10kΩ ±5% ¼W		

Circuit Board



Dimensions (mm)



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

Protec
Fire and Security Group Ltd

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

Protec House, Churchill Way, Nelson, Lancashire, BB9 6RT

© 2022 Protec Fire and Security Group Ltd.

Tel: +44(0)1282 717171 Web: www.protec.co.uk Email: sales@protec.co.uk