



Product Overview

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 / industrial units with 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 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 A1:2000 + A2:2008. The sounder circuit is monitored for open and short circuit faults and has 50mA current drive capability.

For further details, please refer to DEL2077 installation and commission sheet.

Mechanical Specifications

Dimensions (mm)	Weight	Rating
147 (W) x 87 (W) x 25 (D)	120g	IP40

Benefits

- Easy to use
- Reduce installation cost (No external power supply)
- Simple expansion using existing wiring

Key Features

- Soft addressing
- Integral short circuit Isolator
- Loop powered
- Protec conventional detector and call point zone
- Built in sounder circuit monitored for open / short circuit faults

Technical Specifications

Loop Protocol	Protec Algo-tec	
Loop Voltage	18V to 28 Volts	
Loop Current	Quiescent :	0.8mA + Zone Loading
	Alarm :	7.5mA + Zone Loading + Sounder Loading
Local Zones	EOL Resistive :	8.2k Ω
	EOL Capacitive :	100uF in series with 22 Ω
	Detectors per zone :	20
	Call Points per zone :	unlimited
Alarm Circuit	Limited :	50mA / 25mA per circuit
	End of Line :	10k Ω
Call Point Resistance	180 Ω or 330 Ω in Series	

Software Compatibility/Min Version Number

Type	Panel			Commissioning Software		
	6100	6300	6400	6100	X300	X400
LPZA	V1.15	V4.94	V6.27	V2.004	V5.21	V4.24.0

Order Codes

Description	Order Code
Loop powered zone interface	6000/LPZA