



0086-CPR-589456

Product Overview

The Protec 6000/4IO Interface is an auxiliary powered input / output interface providing two Protec conventional detector and call point zones, two monitored inputs, two monitored alarm outputs and two volt free changeover contacts.

This interface is ideally suited for many applications such as the integration of conventional fire detectors with Protec intelligent addressable systems. The two monitored inputs and Volt free contacts also allows the integration of Protec addressable systems to other equipment such as nurse call systems or access control systems. One of the Volt free contacts is capable of switching mains voltage (230V ac), ideal for plant control or mains powered door holders. The 6000/4IO is auxiliary powered using an EN54 pt4 1997+A1:2002+A2:2006 external power supply. The interface takes four individual addresses and has on board LEDs indicating the status of each address input and output. Each address can be enabled or disabled. All four inputs can be programmed independently as latching / non-latching and delayed for 14s in use with sprinkler systems. Address four can also be set to the door closer mode operation, allowing the output to trigger under a global fault or disablement.

For further details, please refer to DEL2118, installation and commission sheet

Mechanical Specifications

Dimensions (mm)	Weight	Environmental
146 (W) x 120 (D) x 40 (H)	237g	-10° to 50° (95RH)

Order Codes

Description	Order Code
Auxiliary powered 4I/O interface	6000/4IO

Benefits

- Easy to use
- Reduced installation cost
- Simple expansion using existing wiring

Key Features

- Soft addressing
- Integral short circuit Isolator
- Din rail mounted
- Two Protec conventional detector and call point zones and 2 monitored inputs for open / short circuit faults
- Two built in sounder circuits monitored for open / short circuit faults and 2 Volt free changeover contacts, one mains rated (230vac)

Technical Specifications

Loop Voltage	18V to 28 Volts
Loop Current	Quiescent : 0.6mA Alarm : 0.6mA
Local Zones	Number : 2 EOL Resistive : 8.2k Ω EOL Capacitive : 100uF in series with 22 Ω Detectors per zone : 20 Call Points per zone : unlimited
Alarm Circuit	Number : 2 Fused : 1 Amp per circuit End of Line : 10k Ω
Call Point Resistance	180 Ω or 330 Ω in Series
Monitored Inputs	Number : 2 End of Line : 47k Ω Pre-Alarm : 22k Ω Alarm : 4.7k Ω
Output Contact	1 single Pole, 24 Volts, 2 Amps 1 single Pole, 230 Volts ac, 5 Amps
Address Configuration	Add 1 : 1 zone and 1 sounder Add 2 : 1 zone and 1 sounder Add 3 : 1 monitored input and 1 Volt free output Add 4 : 1 monitored input and 1 Volt free output

Software Compatibility/Min Version Number

Type	Panel			Commissioning Software		
	6100	6300	6400	6100	X300	X400
4IO	V1.15	V4.94	V6.27	V2.004	V5.21	V4.24.0