Product data sheet

United Technologies
Climate | Controls | Security

IO956I

950 Series Sounder Circuit Controller with Isolator (Surface Mount)

General

The IO956I is an addressable sounder controller. It is designed to control sounders powered by an external DC supply. Sounders are switched continuously or pulsed, and may be synchronised.

Interfaces for intelligent systems

The IO956I is designed to suit individual applications. This standard interface is designed to be surface mounted to walls and consist of three parts: a back box with knockouts for cable entry, a PCB assembly and a protective front cover.

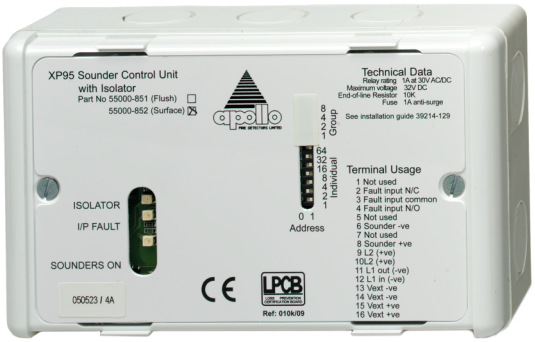
Interface with isolator

The IO956I is fitted with a bi-directional short-circuit isolator so that they are unaffected by a single short-circuit on either loop input or output.

Sounder Control

The IO956 is normally used to control a zone of sounders powered by an external DC supply. The sounders will be switched to sound continuously or be pulsed, 1s on, 1s off.

An opto-coupled input is provided to monitor the state of the external power supply.



Details

- LEDs for signalling of I/O and fault condition
- Aesthetically pleasing
- On board loop isolators
- Easy to install
- Well protected
- Modular design

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Technical specifications

Electrical

Operating voltage	17 to 28 VDC
Current consumption	1.9 mA

Physical

Colour	White

Environmental

Operating temperature	-20 to +70°C
Relative humidity	0 to 95% noncondensing
Environment	Indoor
IP rating	IP54

Standards & regulation

Certification	EN54-17, EN54-18

Supply voltage

	17 - 28 VDC

Current consumption (Loop current)

Switch on surge (100 ms)	2.6 mA
Quiescent (with 10kOhm)	1.9 mA
Output active	1.7 mA
Fault	3.5 mA
Short circuit	4.5 mA

Current consumption (External supply)

Relay off	1 mA @ 9 VDC or 3 mA @ 32 VDC
Sounders ON (excluding sounder load)	44 mA @ 9 VDC or 47 mA @ 32 VDC

Sounder Voltage (max)

	50 VDC

Sounder Current (max)

	1 A @ 30 VDC

Supervision

	9 - 11 VDC

Operating temperature

	-20°C to +70°C

Relative humidity (non condencing)

	0-95%

Ingress protection

	IP54

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