FIKE SAFETY TECHNOLOGY LTD.

INSTALLATION AND MAINTENANCE INSTRUCTIONS

803-0005 SITA MULTIPOINT BOXED AUXILIARY I/O MODULE

http://www.fike.co.uk/resource-downloads/addressable/

General Description

The Multipoint I/O module provides an interface between ancillary devices and the loop via a detector. It can be configured as an input allowing for reporting from other systems / devices or as an output to control external systems. Digital communication technology to the control panel is implemented, allowing for accurate data transfer at high transmission speeds.

Before Installation

The I/O unit must be installed in compliance with the control panel installation manual. The installation must also meet the requirements of any local authority.

Positioning

The module should be mounted securely and care should be taken to ensure the device is accessible for future maintenance.

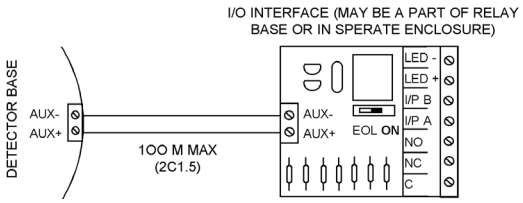
Device Installation

All wiring must be installed in compliance with the recommendations laid out by any local authority as well as any special recommendations documented in the control panel installation manual. The cabling used should be of a 2-core 1.5mm2 screened, fire resistant type and the module should only be connected to a suitable Multipoint Detector. Care should be taken when terminating devices to ensure all cables are correctly sleeved and connections are secure. Improper connections will prevent a system from responding properly in the event of a fire.

Once all testing has been carried out on the cabling and continuity & insulation has been proven, then the I/O Unit can be connected. Please remember that all high voltage testing must be carried out before the installation of the electronics, otherwise the electronics will be damaged.

The Multipoint I/O Interface may be connected to the Auxiliary connections located within the Multipoint detector base in order to provide an input or an output from the addressable circuit. The unit may be configured as an input (assigned to a zone), or as an output (as either a device follow, sector controlled or auxiliary only). The physical connections are shown below, but remember to refer to the relevant Control panel Installation and Operating Instructions for further details.

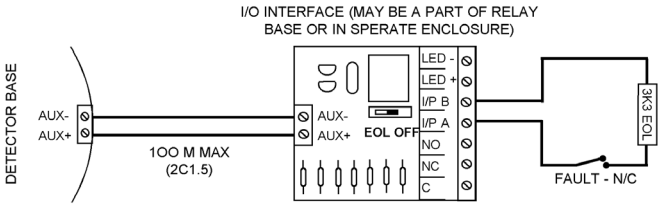
O/P - FAULT UNMONITORED



For use as a basic change over relay output, connect as shown on the left, remembering to set the EOL (end of line) switch to ON.

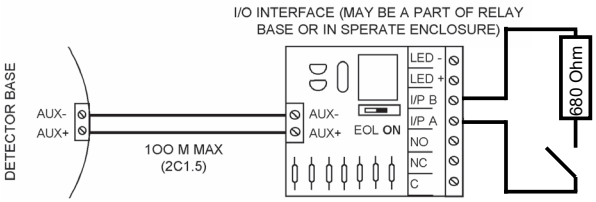
MADE IN BRITAIN

O/P - FAULT MONITORED



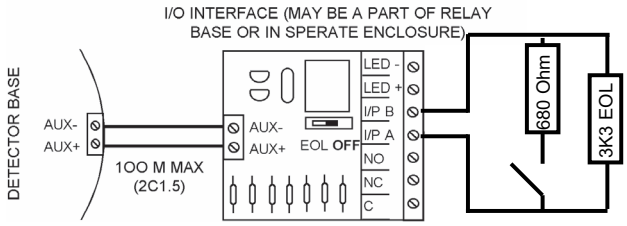
For use as a change over relay output with fault monitoring, connect as shown on the left, remembering to set the EOL (end of line) switch to OFF, and to use a volt free fault contact to break the circuit in order to generate a fault condition

I/P - UNMONITORED



For use as a basic unmonitored input, connect as shown on the left, remembering to set the EOL (end of line) switch to ON, and to use a volt free fire contact and 680 Ohm resistor to make the circuit and activate the input.

I/P - MONITORED

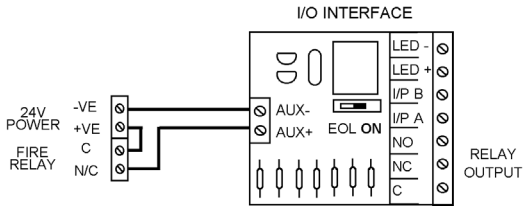


For use as a fault monitored input, connect as shown on the left, remembering to set the EOL (end of line) switch to OFF. Use a volt free fire contact and 680 Ohm resistor to make the circuit and activate the input and a volt free fault contact to break the circuit in order to generate the fault condition.

Connection as a Conventional Relay

The I/O Interface unit may be used as a slave relay with any conventional control panel utilising a switched 24v output as follows.

CONVENTIONAL AUXILIARY RELAY



For example, this could be driven from the control panel of any Fike system, utilising the auxiliary 24v power supply and the General Fire contacts. This could also be used with any other control panel, benefiting from a very low power consumption.

MADE IN BRITAIN

FIKE SAFETY TECHNOLOGY LTD.

Technical Data

Dimensions:	Width x Height	86mm x 86mm
	Depth	41mm
Operating temperature:		-10°C to +50°C
Voltage Range:		24 to 42v DC
LED Indication:	Active	ON

System Compatibility: Sita200plus V2.30 onwards.
Duonet and Quadnet V1 onwards.
CIE-A-200 V1 onwards.

			LOOP CURRENT (mA)				
Type	Product Code	Name	Quiescent	SP0 - Off			
I/O	803 0005	Auxiliary I/O Module V3	0.03	3.07			

			BATTERY CURRENT (mA)				
Type	Product Code	Name	Quiescent	SP0 - Off			
I/O	326 0015	Auxiliary I/O Module V3	0.03	6.39			

			DLU RATING			
Type	Product Code	Name	SP0 - Off			
I/O	326 0015	Auxiliary I/O Module V3	3			

Technical Support

Contact your supplier for technical support on this product.

Due to the complexity and inherent importance of a life risk type system training on this equipment is essential, and commissioning should only be carried out by competent persons. Fike cannot guarantee the operation of any equipment unless all documented instructions are complied with, without variation.

Fike's policy is one of continual improvement and the right to change a specification at any time without notice is reserved. Whilst every care has been taken to ensure that the contents of this document are correct at time of publication, Fike shall be under no liability whatsoever in respect of such contents. E&OE

MADE IN BRITAIN

Fike Safety Technology Ltd
Unit 31, Springvale Industrial Estate
Cwmbran
NP44 5BD
Tel: 01633 865 558 | Email: fstinfo@fike.com

Document No. 26-0380 Issue 7
Subject to change