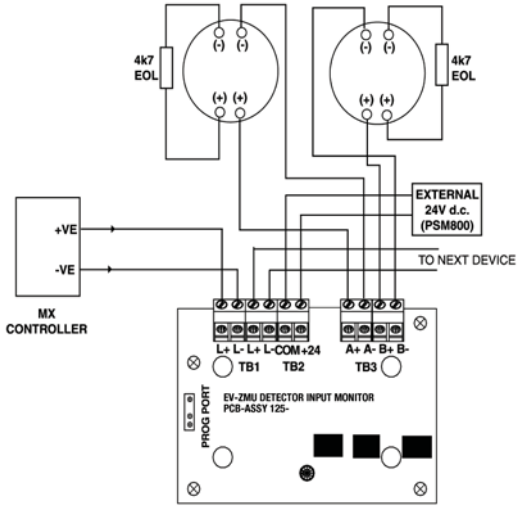

Fig. 4 'Spur' Circuit (Class B)

NOTE: **1)** If one spur curcuit is used, the other circuit must be terminated by 4k7 EOL. If two spur circuits are used, then both spurs must cover the same zone.

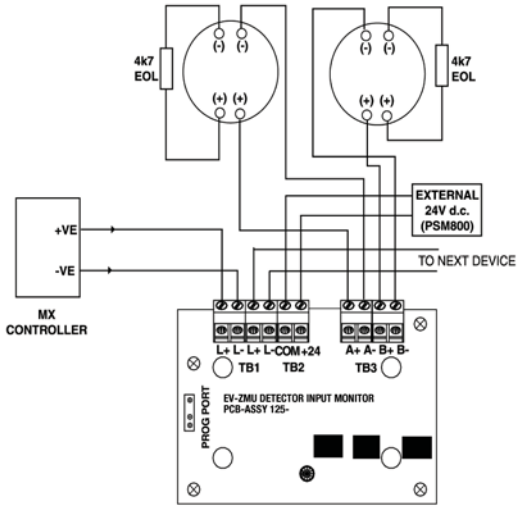

Fig. 5 'Loop' Circuit 2-wire (Class A)

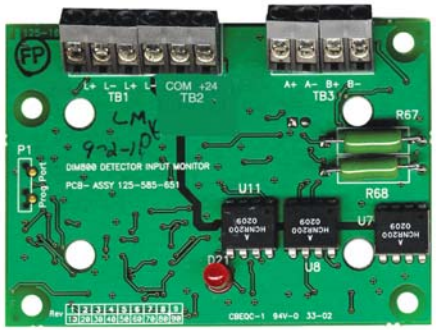

Fig. 1 EV-ZMU Detector Interface Module

INTRODUCTION

Installation of the EV-ZMU comprises the following:

- Installation of cables.
- Cable continuity, Insulation and Resistance checks.
- Installation of ancillary devices and connection.

The Addressable EV-ZMU provides the ability to connect and Interface one or two zones of 24V dc 2-wire conventional detectors (non-addressable) to the Fire Alarm Controller.

The EV-ZMU monitors the status of detectors and wiring to detectors and signals

Note: Only class B operation is supported on MX4000N series panels.

TECHNICAL SPECIFICATION

Type Value:	17
System Compatibility:	Use only with Evolution Fire Alarm Controllers which support this product.
Environment:	Indoor Application only
Operating Temperature:	-25°C to +70°C
Storage Temperature:	-40°C to +80°C
Operating Humidity:	95% non-condensing
Dimensions (HWD):	87 x 148 x 14mm
Mounting Requirements:	One MK backbox surface mount.
Battery Requirements:	
From Addressable Loop	
Class B Standby Current:	0.28mA
Class A Standby Current:	0.53mA
From 24V (not including detector load)	
Class B Standby Current:	14.mA
Class B Alarm Current:	50mA per spur
Class A Standby Current:	8.25mA
Class A Alarm Current:	50mA
24V Input Power Voltage Requirement:	26.4V max., 21.9V min. This allows for 0.9V max. voltage drop between a suitable power supply and the EV-ZMU.
Addressable Device Conditions:	- Normal - Active - Short Circuit wiring fault - Open Circuit wiring fault - PSU fault - Device Type invalid - Device No Response
Detector Circuit:	
Min. Detector Voltage:	16V dc
Max. Standby Detector Load per EV-DIM Circuit:	3mA
Detector Circuit EOL:	4k7Ω
Max. Circuit Impedance:	50Ω
Wire Size:	Min 1.5mm² Max 2.5mm²

INSTALLATION TO DOUBLE GANG COVER

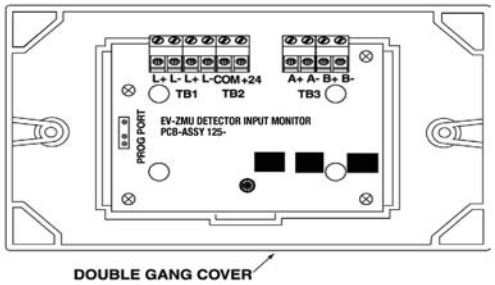

Fig. 2 EV-ZMU Fitted to Cover

ADDRESS SETTINGS

The EV-ZMU has a default factory set address of 255, this must be set to the loop address of the device using the EV-ADZ Address Programming Tool. The EV-ZMU may be programmed with the address prior to being installed by using the internal programming port or after being installed by using the programming port on the front cover (see Fig. 2 and Fig. 3).

Note: Once the address has been programmed, take note of the device location and address

CABLING

The PCB will accept one 1.5m² or one 2.5m² cables.

ORDERING INFORMATION

EV-ZMU mounted to cover: F16N82023

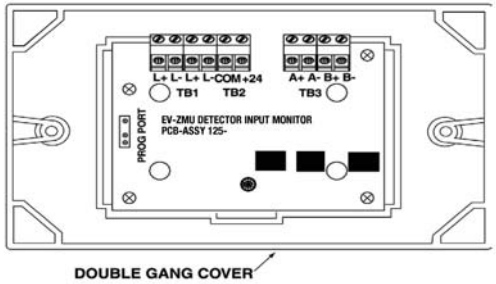

Fig. 3 EV-ZMU Detector Input Module Facia Plate