NITTAN

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.
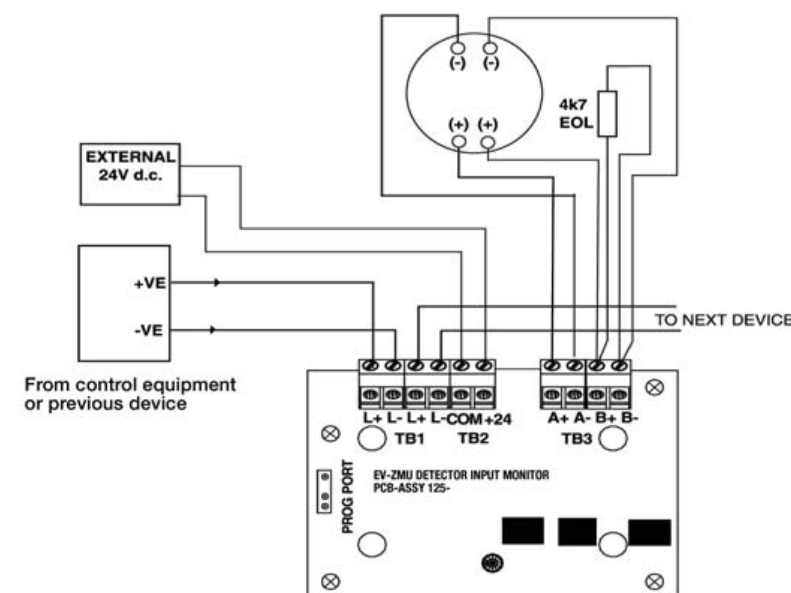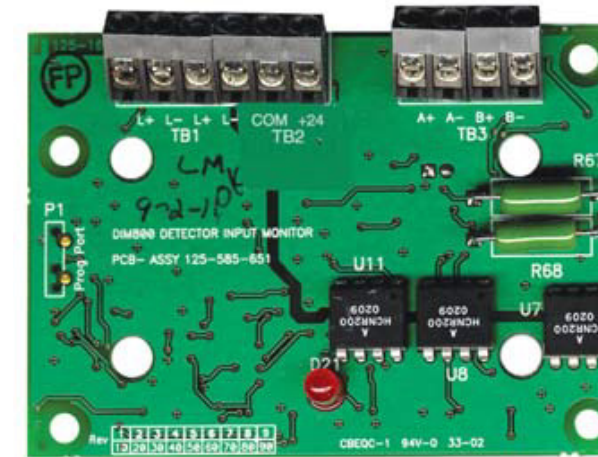

Fig. 5 'Loop' Circuit 2-wire (Class A)

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.*

Note: *The EV-ZMU may need to be Reset when Re-enabling the device, as the Input remains active when Disabled.*

TECHNICAL SPECIFICATION

Type Identification Value:	17
System Compatibility:	Use only with Evolution Fire Alarm Controllers which support this product.
Loop Voltage:	20 - 38 Vdc
Environment:	Indoor Application only
Operating Temperature:	-25° to +70°C
Storage Temperature:	-40° to +80°C
Operating Humidity:	Up to 95% non-condensing
Dimensions (HWD):	85 x 148 x 14mm
Mounting Requirements:	One MK dual gang 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-ZMU Circuit:	3mA
Detector Circuit EOL:	4k7Ω
Alarm Resistor:	375R or 470R
Max. Circuit Impedance:	50Ω
Wire Size:	Min 1.5mm^2 Max 2.5mm^2

Declaration of Performance: 00114
CPR Certificate: 0905-CPR-00114
UKCA Certificate: 0359-UKCA-CPR-00001
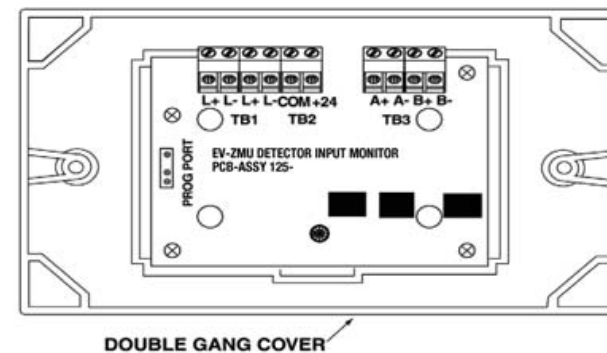
INSTALLATION TO DOUBLE GANG COVER

Fig. 2 EV-ZMU Fitted to Cover

ADDRESS SETTINGS

The **EV-ZMU** must have its Loop Address programmed prior to installation with the EV-AD2 Programmer, using the Universal Addressing Lead (Two Pin) supplied with the EV-AD2 kit, by connecting Red pin to L+ & Black pin to L- on the reverse of the device. You can also use the EV Module Addressing Lead (Three Pin) via the Programming Port in the front cover, after the device is installed.

Note: *Once the address has been programmed, take note of the device location and address number, to include on site drawings.*

CABLING
The PCB will accept one 1.5mm^2 or one 2.5mm^2 cables.
  • All cables must be free from earths.

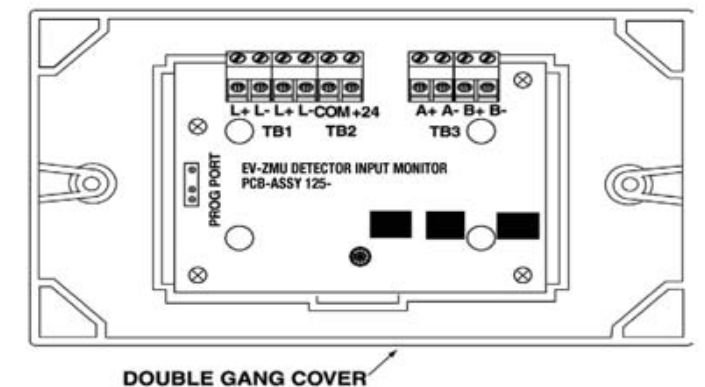## ORDERING INFORMATION
EV-ZMU mounted to cover: F16N82023

Fig. 3 EV-ZMU Detector Interface Module Facia Plate