CZMU352-IS
Zone monitor unit - instrinsically safe

Intrinsic safety refers to equipment and wiring that is inherently safe i.e. a system with energy level so low they cannot cause an explosion. A purpose designed range of intrinsically safe configured interfaces are available to complement the standard range of Eaton products.

When paired with the MTL5561 Opto-Isolated barrier, the CZMU352-IS connects a zone of suitable Eaton conventional detectors and a separate zone of conventional callpoints (if required).

Features and benefits

- ATEX compliant
- Soft addressed
- Integral short circuit isolator
- Single address
- Accepts a zone of Eaton conventional detectors
- Input monitored for open, short circuit and earth contact faults
- Quick and simple to install
- No hard addressing required (Plug and play)
- Easy to expand a system using existing wiring

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ATEX   EN54

Technical Specification

Code	CZMU352-IS
Description	Zone Monitor Unit
Standards	EN54 Pt17 & Pt18 2005
Specification	
Loop	
Quiescent load current	2.8mA
Load (10 detectors/10 call points)	3.4mA
Alarm condition load (10 detectors/10 call points)	8mA
Supply voltage	18.5V dc to 30 V dc
Call point zone	
Number of call points per zone	0 to 10
End of line resistance	5k1
Fire input trigger resistance	470 Ω
Short circuit fault threshold resistance	100 Ω
Open circuit fault threshold resistance	39 $k\Omega$
Detector zone	
Number of detectors per zone	0 to 10
End of line monitor	5k1
Fire input trigger resistance	680 Ω
Short circuit fault threshold resistance	100 Ω
Open circuit fault threshold resistance	39 $k\Omega$
Environmental	
Operating Temperature	-10ºC to +60ºC
Humidity (non condensing)	95% RH
Physical	
Construction	PC/ABS
Dimensions (H x W x D)	88mm x 147mm x 57mm
Weight	0.25kg
Ingress Protection	IP40
Compatibility	
Suitable for use with Eaton Intelligent Addressable Fire Systems	

Catalogue numbers

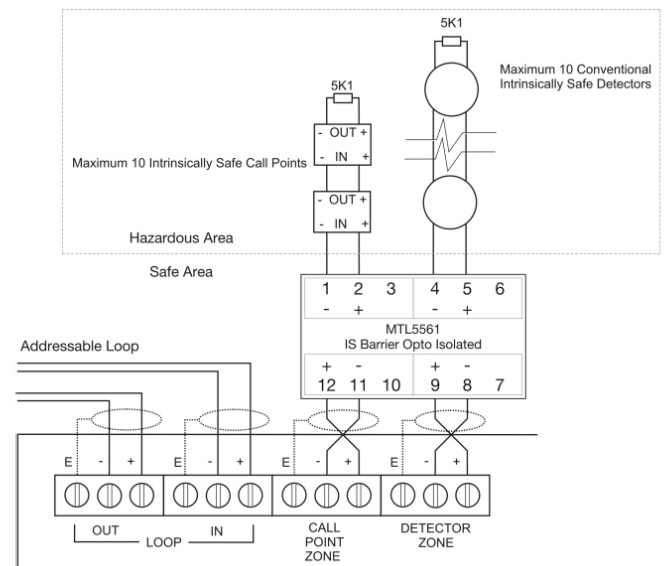| Description	Code
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Installation

1. Separate the two halves of the unit.
2. Drill out (or knock out) the required cable entries in the surface mounting back-box.
3. Fit the back-box in position and pass the wires into it.
4. Connect the unit according to the diagram below.
5. Recommended Cable Type: FIRETUF, FP200, MICC.

Note: No addressing of the interface is required. See control panel operation for details. There are no serviceable parts so no maintenance procedures apply.

Standard Connections

1. This detection zone can only be used with intrinsically safe detectors SLR-E-IS (optical) / DCD-1E-IS (Heat) with the non-diode base YBN-R/4IS.
2. The call point zone can only be used with BG3 I/S call points.
3. Only connect cable screen to its adjacent earth terminal.
4. The end of line resistor must always be fitted, even if the spur is unused.
5. Maximum spur length – See BS5839 Pt1:2001 for Zone Coverage.

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