

Installation Guide for Zone Monitor Unit CZMU352

Installation:

Wiring

Each unit terminal connector is suitable for clamping a single cable conductor up to a maximum of 2.5mm².

The zone monitor unit is suitable for mounting on to back boxes with 120mm fixing centres. (surface mounting box supplied)

1. Separate the two halves of the unit
2. Drill out the required holes for cable entries
3. Mount the back box in the required position.
4. Install wiring through the pre-drilled holes.
5. Connect the unit as per diagram below.
6. Fit front cover.

General

Addressing of the unit is not required (see control panel operation for details)

CZMU352 - Specification:

Operating voltage	18 to 30Vdc
Quiescent current:	2.8mA
Current with 20 detectors	3.4mA
Total alarm Current	8mA
Addressing mode	Auto addressed
Detector zone loading	20 detectors (max)
Call point load	Unlimited
Operating temperature:	-10 to +60 C
Humidity:	0 to 95% non condensing
IP Rating:	IP40
Standards:	EN54: Pts 2 & 4 BS5839: Pt 1 (installation)
EMC:	CE Marked
Material:	PC/ABS
Dimensions:	147(w)x88(h)x57(d) mm
Cable size (Min-Max):	0.5 to 2.5mm ²
Recommended cable types:	Draka - FIRETUF Pirelli - FP200 MICC

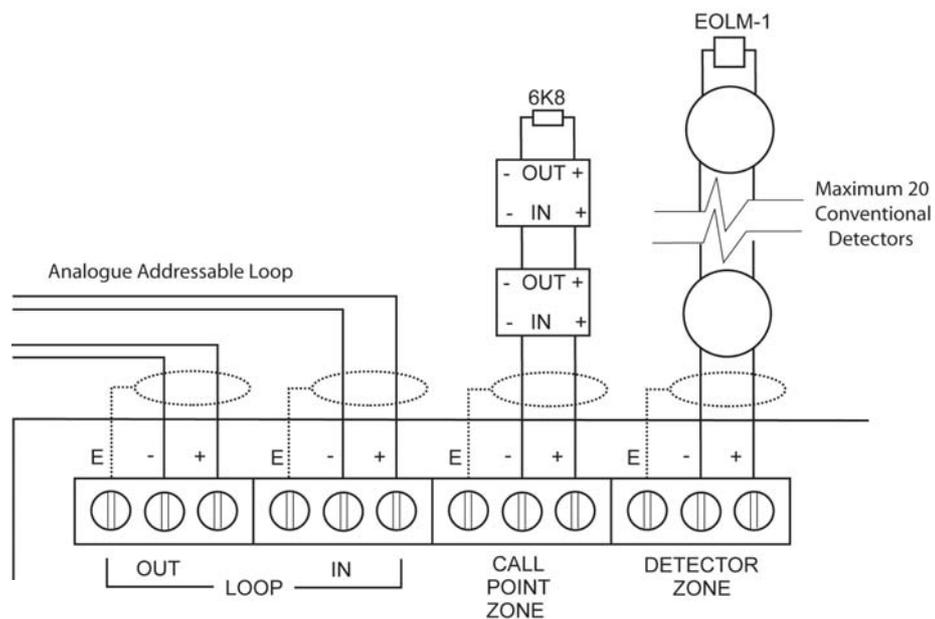
Short Circuit Isolator:

This addressable device contains an integral short circuit isolator, which operates between the -VE IN terminal and the -VE OUT terminal.

The isolator operates in conjunction with the CF3000 control panel when a low parallel resistance fault of typically 200 ohms is present between the +VE and -VE of the loop wiring.

Short Circuit Isolation Data (Integral with each device)	
Total loop resistance for correct operation of short circuit isolator	50 ohm (max)
Continuous current allowable through isolator	700mA (max)
Isolator resistance in closed condition	0.13 ohm (max)
Leakage current into direct short circuit with isolator open	13mA (max)
Parallel fault resistance to be seen at the control panel for isolators to open	200 ohm (typ)

Wiring Schematic:



Notes:

1. Cable earth screen must be connected to its adjacent earth terminal.
2. The end of line resistor must always be fitted, even if the spur is not used.
3. Maximum spur length - see BS5839 Pt:1 2002 for zone coverage.
4. There is no maximum number of conventional call points allowed per zone output.
5. This unit can only be used with Cooper Fire Systems CDB300/I detector base and compatible detectors