

ULCZMU352 - UL zone monitor unit



An extensive range of interfaces are available to support the Eaton range of UL intelligent addressable control panels, providing solutions for most design requirements.

The UL zone monitor unit (ULCZMU352) permits the connect of a zone of the Eaton UL conventional detectors and pull stations (if required) to the Eaton intelligent addressable system.

Housed in a IP65 rated box the ULCZMU352 provides a cost effective means of utilizing the wiring of a pre existing conventional zone, enabling system designer to provide fire detection in a pre existing area without affecting the building aesthetics.

Features and benefits

- Monitors a zone of UL approved compatible conventional detectors
- Monitors a zone of UL approved compatible pull stations
- Only takes a single address
- Input monitored for open, short circuits and ground trouble
- Integral short circuit isolator
- Quick and simple to install
- No hard addressing required (plug and play)
- Easy to expand a system using existing wiring

Specifier's guide

3.5 Standard interfaces

Technical specification

Code	ULCZMU352
Description	Zone monitor unit
Standards	UL864 9th edition
Signalling line circuit (Style 7, Class A, Supervised, Power Limited)	
Load current (min/max)	2.8mA to 8.0mA
Supply voltage	24V dc
Detector zone (Style C, Class B, Supervised, Power Limited)	
Voltage	21V dc to 26V dc, 22.9V dc (nom)
Current (alarm)	17mA to 40mA
Line impedance	2.5Ω (max)
End of line resistance	5K1Ω
Fire input trigger	680Ω
Compatible detectors	UPCD-2W, UCPT-2W, UCHRI-2W, UCHT-2W, UCHR-2W, UCHTI-2W
Compatibility identifier	ULCV1
Pull station zone (Style C, Class B, Supervised, Power Limited)	
Voltage	8.4Vpp (pulsed every 1 sec)
Current	1.2mA
Trigger resistor	680Ω
End of line resistor	6.8kΩ
Line impedance	16Ω
Environmental	
Operating temperature	32°F to 120°F
Humidity (non condensing)	0 to 93 %RH
Physical	
Dimensions (H x W x D)	129mm x 180mm x 60mm
Weight	0.28kg
Ingress protection	IP65
Compatibility	
Suitable for use with	Eaton UL fire systems

Installation

Separate the two halves of the unit and remove the PCB.
 Drill out (or knock out) the required cable entries in the surface mounting back-box.
 Fit the back-box in position and pass the wires into it. Refit the PCB.
 Connect the unit according to the standard connection diagram supplied with the unit.

Operation

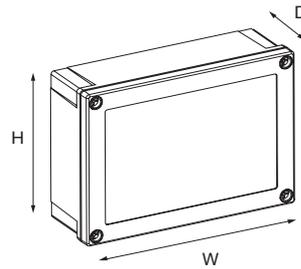
Pull station zone:

Normal standby / alarm / nac silenced / alarm / reset / fault / supervisory / drill

Detector zone:

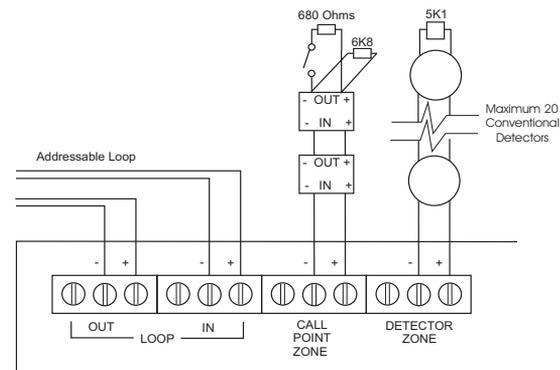
Normal standby / alarm / fault

Dimensions



H (mm)	W (mm)	D (mm)
129	180	60

Standard connections



Note:

This unit can only be used with the Eaton UL detector base (CB2E) and compatible Eaton UL detectors.

The end of line resistor must always be fitted, even if the spur is unused. Installer / service engineer must ensure it is fitted.

Detector zone end of line device is 5k1 (supplied).

Pull station zone end of line device is 6k8 (supplied).

Compatibility identifier ULCV1.

Catalogue numbers

Description	Code
Zone monitor unit	ULCZMU352
2 wire detector, optical	UCPD-2W
2 wire detector, opto-heat	UCPT-2W
2 wire detector, fixed heat 135°F	UCHT-2W
2 wire detector, fixed heat 194°F	UCHTI-2W
2 wire detector, rate of rise and fixed heat 135°F	UCHR-2W
2 wire detector, rate of rise and fixed heat 194°F	UCHRI-2W
Standard detector base	CB2E