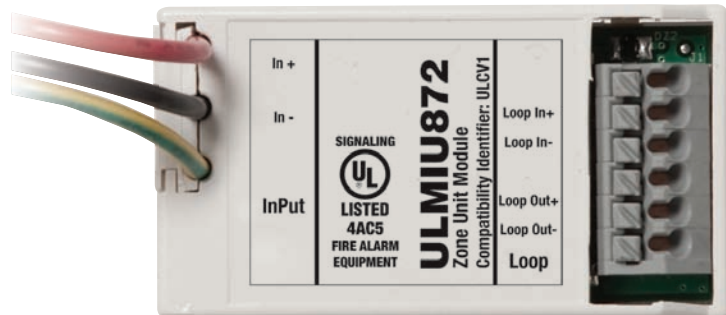


Micro Zone Monitor Unit



ULMIU872 - Micro Zone Monitor Unit

Overview

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

The UL zone monitor unit (ULMIU872) is an extremely compact unit ideal for incorporation in external equipment, it is a single zone input unit, soft addressed and incorporates integral short circuit isolators.

It is suitable for interfacing a zone of up to 20 Cooper UL conventional detectors onto a Cooper UL intelligent addressable control panel.

It will operate with any Cooper UL conventional detector in configuration with the UL conventional base (CB2E).

Features

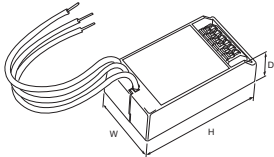
- Soft addressed
- Integral short circuit isolator
- Single address
- Accepts a zone of Cooper UL conventional detectors
- Input monitored for open and short ground trouble

Benefits

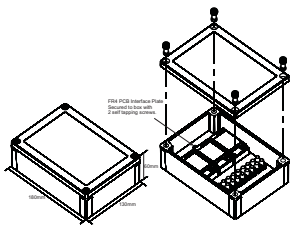
- Quick and simple to install
- No hard addressing required (Plug and play)
- Compact size
- Easy to expand a system using existing wiring

Dimensions

H (mm)	W (mm)	D (mm)
65	35	18.5



Mounting Details (Back-Box)



Installation

1. Fit the unit in position in accordance to the mounting details.
2. Connect the unit according to standard connections.
3. Up to 3 units can be fitted inside a micro module box unit.

Operation

Normal Standby / Alarm / Alarm Test / Alarm Silence / Alarm Reset / Trouble / Trouble Silence / Off normal position of switches

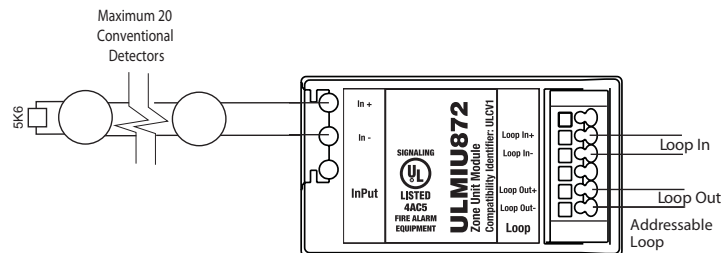
Technical Specification

Code	ULMIU872
Description	Zone Monitor Unit
Standards	UL864 9th edition
Signalling Line Circuit (Style 7, Class A, Supervised, Power Limited)	
Voltage	24V dc
Current	4.9mA to 5.0mA
Detector Zone (Style D, Class A, Supervised, Power Limited)	
Voltage	21V dc to 26V dc (22.9 nom)
Current	17mA to 40mA
Line Impedance	2.5Ω (max)
End of Line Resistor	5.6kΩ
Fire Input Trigger	680kΩ
	UPCD-2W, UCPT-2W, UCHRI, UCHT, UCHTI, any combination thereof
	Compatibility Identifier : ULCV1
Environmental	
Operating Temperature	0°C to 49°C
Humidity (Non Condensing)	0 to 93 %RH
Physical	
Dimensions (H x W x D)	65mm x 35mm x 18.5mm
Weight	0.28kg
Ingress Protection	IP40
Compatibility	
Suitable for use with	Cooper UL Fire Systems

Notes:

No addressing of the interface is required (see control panel operation for details).

Standard Connections



Note:

1. This unit can only be used with Cooper UL conventional detector base and compatible detectors.
2. Only connect cable screen to its adjacent earth terminal.
3. The end of line resistor must always be fitted, even if the spur is unused. Installer / service engineer must ensure it is fitted.
4. Maximum number of conventional pull stations allowed is unlimited.
5. Detector zone end of line device is 5k6 (supplied).
6. Compatibility Identifier ULCV1.
7. Recommended cable type FPLP (plenum cable), type FPLR (riser cable), or type FPL.

Description	SLC Field Wiring (input)	Detector Zone
Wiring Gauge	12 Max AWG	12 Max AWG
Wiring Class	Class A Style 7	Class B Style C
Ground Fault Impedance	0.1Ω	0.1Ω
Supervised, Power Limited	Yes	Yes

Product Codes

Code	Description
ULMIU872	Micro Zone Monitor Unit
ULBU	Micro Module Box Unit (empty box)