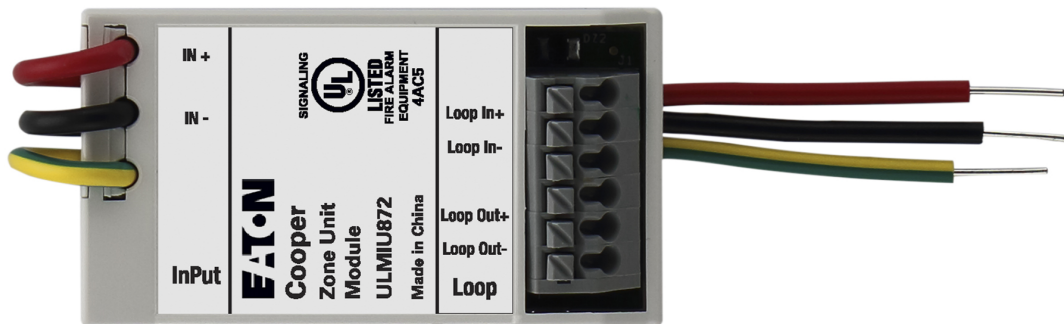


# ULMIU872 - UL micro zone monitor unit



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 (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 Eaton UL conventional detectors onto a Eaton UL intelligent addressable control panel.

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

## Features and benefits

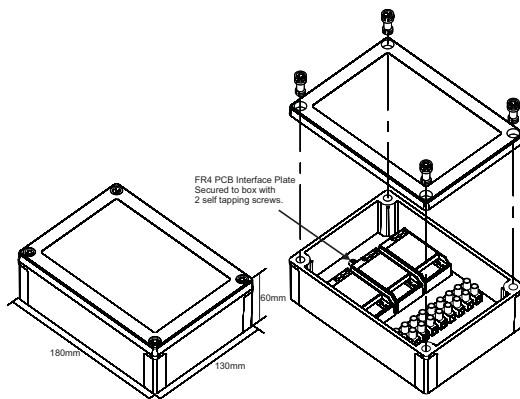
- Soft addressed
- Integral short circuit isolator
- Single address
- Accepts a zone of Eaton UL conventional detectors
- Input monitored for open and short ground trouble
- Quick and simple to install
- No hard addressing required (plug and play)
- Compact size
- Easy to expand a system using existing wiring

## Technical specification

<b>Code</b>	<b>ULMIU872</b>
Description	Micro zone monitor unit
Standards	UL864 9th edition
<b>Signalling line circuit (Style 7, Class A, Supervised, Power Limited)</b>	
Voltage	24V dc
Current	4.9mA-5.0mA
Line impedance	50Ω
<b>Detector zone class B Style C Supervised, Power Limited</b>	
Voltage	21-26V dc
Contact	17-40 mA
Line Impedance	2.5Ω
End of line resistor	5.6KΩ
Fire input trigger	680KΩ
<b>Environmental</b>	
Operating temperature	0°C to 49°C
Humidity (non condensing)	0 to 93 %RH
<b>Physical</b>	
Dimensions (W x H x D)	65mm x 35mm x 18.5mm
Weight	0.05kg
Ingress protection	IP40
<b>Compatibility</b>	
Suitable for use with	Eaton UL fire systems

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

## Mounting details (back box)



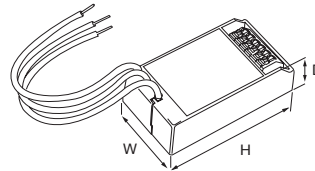
## Installation

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

## Operation

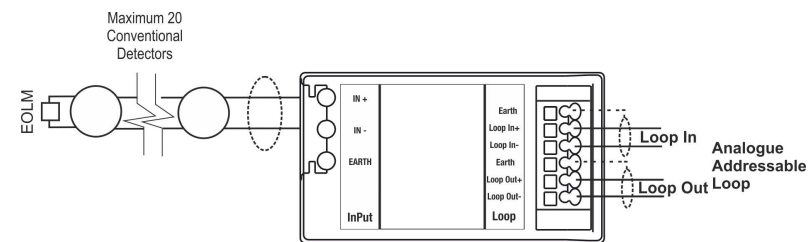
Normal standby / alarm / alarm test / alarm  
Silence / alarm reset / trouble /trouble silence  
/ Off normal position of switches

## Dimensions



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

## Standard connections



### Notes:

- This unit can only be used with Eaton UL conventional detector base and compatible detectors.
- Only connect cable screen to its adjacent earth terminal.
- The end of line resistor must always be fitted, even if the spur is unused. Installer / service engineer must ensure it is fitted.
- Maximum number of conventional call points allowed is unlimited.
- Detector zone end of line device is 5k6 (supplied).
- Compatibility Identifier ULCV1.

Description	SLC field wiring (input)	Detector zone
Wiring gauge	12 Max AWG	12 Max AWG
Wiring class	Class A, Style 7	Class B, Style 7
Ground fault impedance	0.1Ω	0.1Ω
Supervised, power limited	Yes	Yes

## Catalogue numbers

Description	Reference	Code
Micro zone monitor unit	ULMIU872	400025FIRE-0052X
Micro module box unit (empty box)	ULBU	ULBU

Eaton  
Electrical Sector EMEA Route de la  
Longeraie 7  
1110 Morges, Switzerland

Eaton  
**Fire Systems Business**  
Eaton Electrical Systems Ltd  
Wheatley Hall Road Doncaster  
South Yorkshire  
DN2 4NB  
United Kingdom

Tel: +44 (0)1302 303 999  
Fax: +44 (0)1302 303 333  
Email: FireCustomerService@eaton.com  
Web: www.eaton.com/gb

Eaton is a registered trademark.

All other trademarks are property  
of their respective owners.

© 2019 Eaton  
All Rights Reserved  
Pub Reference: F-DS025 April 2019