# **MCOM** Micro Single Channel Output Units



An extensive range of micro interfaces are available to support our range of control panels, providing solutions for most design requirements.

The MCOM is a single output, soft addressed, micro interface, incorporating integral short circuit isolators. It is extremely compact and therefore ideal for incorporation into other equipment.

The MCOM is fully compatible with the current range of Eaton intelligent addressable fire control panels.

It is suitable for switching low voltage (24V dc at 1A maximum), via a set of non latching relay contacts.

It is suitable for switching HVAC control circuits, plant shutdown control circuits, fire door closure etc.

## **Optional variants**

The (MCOM-R) gives a 5 second pulse on reset, and is used for connecting/resetting beam detectors.

The (MCOM-S) is identified by the panel as a sounder and does not reset when put into 'silence' mode, only resets once panel has been reset.

The (MCOM-FC) is identified by the panel as a sounder and will activate from its associate cause and effect programming. It will reset from a global reset not a global silence command. Suitable for use with fan controller devices for smoke management.

#### **Features and benefits**

- Quick and simple to install
- Compact size
- Soft Addressed
- Integral short circuit isolator
- Plug and play, no hard addressing required
- No external short circuit isolator required



### Eaton Product Datasheet Addressable Fire Products

#### **Technical specification**

Code	MCOM, MCOM-S, MCOM-R, MCOM-FC	
Description	Micro single channel output uni	
Standards	EN54 Pt17 & Pt18	
Specification		
Operating voltage	18.5V dc to 30V dc	
Quiescent current	310µA	
Output relay		
Switching voltage	24V dc to 30V dc	
Contact rating	1A	
Switching power	30 Watts	
Environmental		
Operating temperature	-10°C to +60°C	
Humidity (non condensing)	0 to 95% RH	
Physical		
Construction	PC/ABS	
Dimensions (H x W x D)	63mm x 35mm x 18.5mm	
Weight	0.078kg	
Compatibility		
Suitable for use with	Eaton intelligent addressable fire systems	
Recommended loop/cable type	Fire Tuff, FP200, MICC	

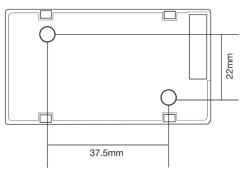
#### MCOM Micro single channel output units

#### Installation

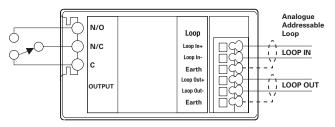
- 1. Suitable for switching 24V dc control circuits (fire door retainers etc).
- 2. Connections suitable for single strand fireproof cable up to  $2.5 \text{mm}^2$ .
- 3. Loop and output cable screen must be connected to interface earth terminals.
- 4. The relay output is a set of change over, non-latching, volt free contacts which are non monitored.

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

#### **Mounting details**



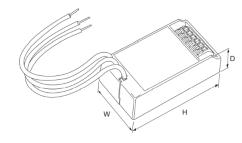
#### **Standard connections**



## **Catalogue numbers**

Description	Code
Micro single channel output unit (recognised as output unit)	МСОМ
Micro single channel output unit (recognised as sounder)	MCOM-S
Micro single channel output unit (5 second reset pulse)	MCOM-R
Micro single channel output unit (fan controller output unit)	MCOM-FC
Mini module box unit (empty box, can fit 3 modules)	ULBU

## Dimensions



H (mm)	W (mm)	D (mm)
63	35	18.5

Powering Business Worldwide

Changes to the products, to the information contained in this document, and to prices are reserved; so are errors and omissions.

Only order confirmations and technical documentation by Eaton is binding. Photos and pictures also do not warrat a specific layout or functionality. Their use in whatever form is subject to prior approval by Eaton. The same applies to Trademarks. The Terms and Conditions of Eaton apply, as referenced on Eaton Internet pages and Eaton order confirmations.

Eaton is a registered trademark. All other trademarks are property of their respective owners.

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

Eaton Fire Systems Business Eaton Electrical Systems Ltd Wheatley Hall Road Doncaster

Wheatley Hall Ro 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

© 2023 Eaton All Rights Reserved Pub Reference: DS0080-A October 2023