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 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.

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
Technical Specification

<table>
<thead>
<tr>
<th>Code</th>
<th>MCOM, MCOM-S, MCOM-R, MCOM-FC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Micro single channel output unit</td>
</tr>
<tr>
<td>Standards</td>
<td>EN54 Pt17 &amp; Pt18</td>
</tr>
<tr>
<td>Specification</td>
<td></td>
</tr>
<tr>
<td>Operating Voltage</td>
<td>18.5V dc to 30V dc</td>
</tr>
<tr>
<td>Quiescent Current</td>
<td>310μA</td>
</tr>
<tr>
<td>Output Relay</td>
<td></td>
</tr>
<tr>
<td>Switching Voltage</td>
<td>24V dc to 30V dc</td>
</tr>
<tr>
<td>Contact Rating</td>
<td>1A</td>
</tr>
<tr>
<td>Switching Power</td>
<td>30 Watts</td>
</tr>
</tbody>
</table>

Environmental

Operating temperature  -10ºC to +60ºC
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

Dimensions

<table>
<thead>
<tr>
<th>H (mm)</th>
<th>W (mm)</th>
<th>D (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>63</td>
<td>35</td>
<td>18.5</td>
</tr>
</tbody>
</table>

Catalogue numbers

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Micro single channel output unit (recognised as output unit)</td>
<td>MCOM</td>
</tr>
<tr>
<td>Micro single channel output unit (recognised as sounder)</td>
<td>MCOM-S</td>
</tr>
<tr>
<td>Micro single channel output unit (5 second reset pulse)</td>
<td>MCOM-R</td>
</tr>
<tr>
<td>Micro single channel output unit (fan controller output unit)</td>
<td>MCOM-FC</td>
</tr>
<tr>
<td>Mini module box unit (empty box)</td>
<td>ULBU</td>
</tr>
</tbody>
</table>

Installation

1. Suitable for switching 24V dc control circuits (fire door retainers etc).
2. Connections suitable for single strand fireproof cable up to 2.5mm².
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

All connections are Power Limited

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