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

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>ULMIU872</td>
<td>Micro zone monitor unit</td>
<td>UL864 9th edition</td>
</tr>
</tbody>
</table>

Signalling line circuit (Style 7, Class A, Supervised, Power Limited)

- Voltage: 24V dc
- Current: 4.9mA-5.0mA
- Line impedance: 50Ω

Detector zone class B Style C Supervised, Power Limited

- Contact: 2.5Ω
- End of line resistor: 5.6KΩ
- Fire input trigger: 680KΩ

Environmental

- Operating temperature: 0°C to 49°C
- Humidity (non condensing): 0 to 93 %RH

Physical

- Dimensions (W x H x D): 65mm x 35mm x 18.5mm
- Weight: 0.05kg
- Ingress protection: IP40

Compatibility

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)

![Mounting details diagram]

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

Dimensions

<table>
<thead>
<tr>
<th>H (mm)</th>
<th>W (mm)</th>
<th>D (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>65</td>
<td>35</td>
<td>18.5</td>
</tr>
</tbody>
</table>

Standard connections

Maximum 20 Conventional Detectors

<table>
<thead>
<tr>
<th>Description</th>
<th>SLC field wiring (input)</th>
<th>Detector zone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wiring gauge</td>
<td>12 Max AWG</td>
<td>12 Max AWG</td>
</tr>
<tr>
<td>Wiring class</td>
<td>Class A, Style 7</td>
<td>Class B, Style 7</td>
</tr>
<tr>
<td>Ground fault impedance</td>
<td>0.1Ω</td>
<td>0.1Ω</td>
</tr>
<tr>
<td>Supervised, power limited</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Catalogue numbers

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Micro zone monitor unit</td>
<td>ULMIU872</td>
</tr>
<tr>
<td>Micro module box unit (empty box)</td>
<td>ULBU</td>
</tr>
</tbody>
</table>