

# Micro Single Channel Output Units



## ULMCOM / ULMCOM-S - Micro Single Channel Output Units

### 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 single channel output unit (ULMCOM) is an extremely compact unit ideal for incorporation in to external equipment and suitable for switching low voltages (24V dc at 1A maximum).

This unit incorporates a set of non latching relay contacts and is suitable for switching HVAC control circuits, plant shutdown control circuits, fire door closure etc.

The (ULMCOM) is identified by the panel as an input/output unit, with a maximum of 20 units permitted per loop.

#### Optional Variant

A variant on the (ULMCOM) has been developed to allow additional loop inputs as below.

The (ULMCOM-S) is identified by the panel as a sounder, does not reset on silence but resets on panel reset. The maximum number of (ULMCOM-S) units per loop is 60, and is counted towards the total number of sounders on the loop.

### Features

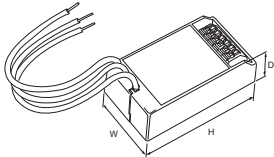
- Soft addressed
- Integral short circuit isolator
- Single address
- Non latching changeover relay contacts
- Suitable for switching low volts control gear
- Optional variant:
  - ULMCOM-S

### Benefits

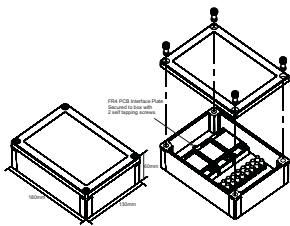
- Quick and simple to install
- No hard addressing required (Plug and play)
- Compact size

## 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

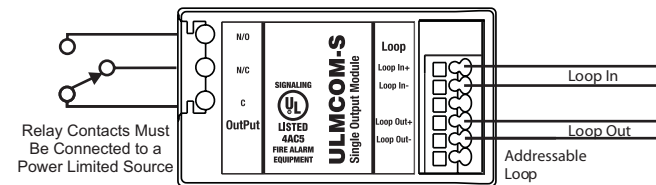
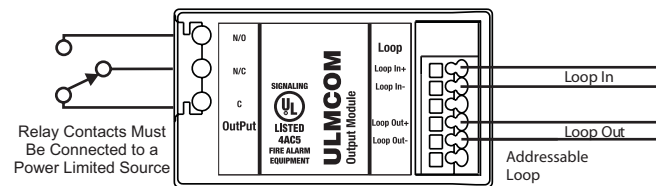
## Technical Specification

Code	ULMCOM and ULMCOM-S
Description	Single Channel Output Units
Standards	UL864 9 <sup>th</sup> edition
<b>Signalling Line Circuit (Style 7, Class A, Supervised, Power Limited)</b>	
Current	0.322mA (max)
<b>Output Relay (Supervisory Programmable)</b>	
Switching Voltage	24V dc to 30V dc
Contact Rating	1A Resistive, pf=1 (max)
Max Line Impedance	16Ω
Power Factor	1
<b>Environmental</b>	
Operating Temperature	0°C to 49°C
Humidity (Non Condensing)	0 to 93 %RH
<b>Physical</b>	
Dimensions (H x W x D)	65mm x 35mm x 18.5mm
Weight	>0.1kg
Ingress Protection	IP40
<b>Compatibility</b>	
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. Output relay are volt-free contacts and are not monitored.
2. Recommended cable type FPLP (plenum cable), type FPLR (riser cable), or type FPL.

Description	Field Wiring SLC Circuit (Input)	Single Channel Output
Wiring Gauge	12 Max AWG	12 Max AWG
Wiring Class	Class A Style 7	
Ground Fault Impedance	0.1Ω	
Supervised, Power Limited	Yes	Yes

## Product Codes

Code	Description
ULMCOM	Micro Single Channel Output Unit (recognised as output unit)
ULMCOM-S	Micro Single Channel Output Unit (recognised as sounder)
ULBU	Micro Module Box Unit (empty box)