

Fig. 1: Terminal and internals

Terminal	Function
① EOL	End-of-Line Resistor Terminals
② NC / NO	Normally Closed / Normally Open
③ COM	Common
④ GND	Power Supply (-)
⑤ VCC	Power Supply (+)

Notice: This switch is certified as *Enhanced Security* by FM Approvals according to standard 3135, i.e. the valve inspection interval is extended from weekly to semiannually.

RESET TRIGGERED ALARM

In case of a triggered alarm the switch is actuated and latched.

To reset the switch:

1. Remove the root cause of the alarm.
2. Power cycle the switch.

SEQUENCE OF INSTALLATION

1. Open the housing cover by loosening the screws.
2. Wire the UW3 C E5 according to the installation instructions.
3. Close the housing cover and tighten the screws.
4. Fasten the UW3 C E5 to the valve using the mounting kit according to the valve type specific installation instructions.

SPECIFICATIONS

Min. & Max. working voltages	18 ... 30 V DC
Max. switching current rating	200 mA
Housing material	Polycarbonat (PC-V0)
Cable cross section	0.34 ... 1.5 mm ² (22 ... 15 AWG)
Dimensions (L x W x H)	100 x 50 x 40 mm
Protection class	IP65

DESCRIPTION

This valve supervisory switch with enhanced security is designed to work with conventional fire alarm panels. It works with magnet sensing technology and hence requires the provided magnet placed at the marked housing location to be in its normal state.

Removing the magnet will trigger an alarm. Furthermore, opening the housing after installation will also trigger an alarm (tamper resistance).

Download product files:
www.mecon.de/downloads/



LEGAL NOTICE

All rights reserved. Any reproduction of this documentation, even in part and regardless of the method used, is prohibited without the prior written consent of MECON GmbH. Subject to change without notice. Copyright 2025 by MECON GmbH

MECON
SAFETY CONTROL

MECON GmbH
Roentgenstrasse 105
50169 Kerpen
Germany

Phone: +49 (0) 2237 600 06 - 0

Mail: info@mecon.de
Web: www.mecon.de

MECON
SAFETY CONTROL

UW30-CE5

INSTALLATION INSTRUCTIONS

Conventional
Supervisory Switch
with enhanced security



www.mecon.de
UW30-CE5 / 25-03

SAFETY INSTRUCTIONS

- » *Installation, commissioning and maintenance shall only be carried out by qualified persons.*
- » *Work on the electrical connections may only be carried out by persons who are qualified and authorized for these activities.*
- » *Do not activate the power supply until the installation is completed.*
- » *The power supply must be disconnected during maintenance work.*
- » *Warning! No external loads may act on the devices.*



PARALLEL WIRING CONFIGURATION

The End-of-Line 1 resistor (EOL1) is for the fire panel zone. The End-of-Line 2 (EOL2) is an alarm resistor (or jumper cable).

Caution:

The two EOL-terminals provided in the UW3 C E5 switch must be bridged by either resistor or a jumper cable.

The EOL-terminal in the PSR has no function apart from supporting the field wiring of EOL resistors.

A PSR is mandatory as last device attached to a fire panel zone of UW3 C E5 switches.

SERIES WIRING CONFIGURATION

The End-of-Line 1 resistor (EOL1) is for the fire panel zone. A PSR is mandatory as last device attached to a fire panel zone of UW3 C E5 switches.

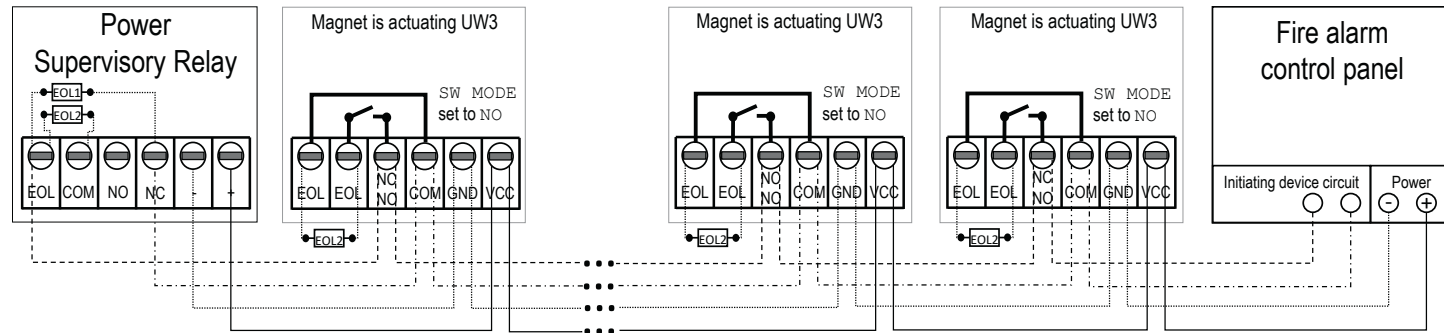


Fig. 2: Parallel wiring configuration*

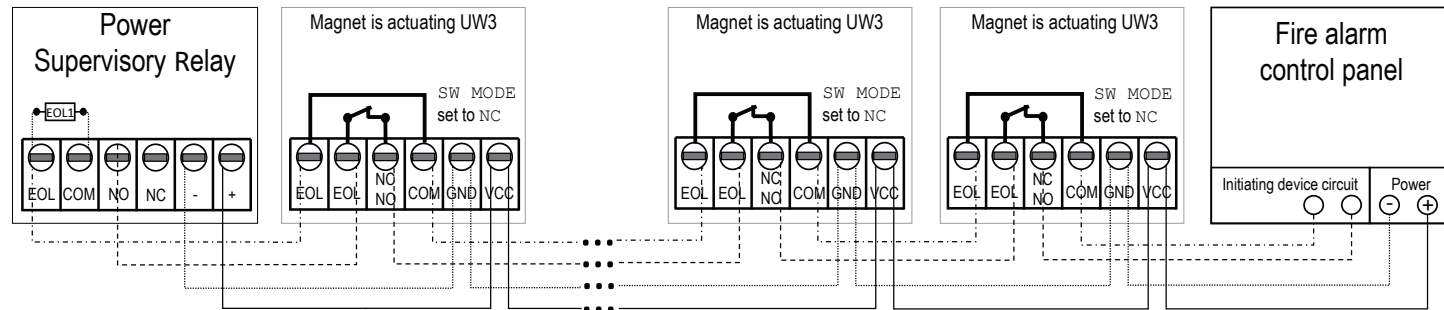


Fig. 3: Series wiring configuration*

*Please note, the shown state of the UW3 switches is their normal state, i.e. magnet is close to the magnet location on the housing.