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.*

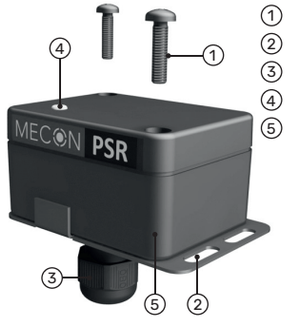
» *Warning! No external loads may act on the devices.*

DESCRIPTION

This Power Supervisory Relay (PSR) complements the UW3 C E5 valve supervision switch by a fail-safe relay to constantly monitor if the UW3 C E5 switches are powered. When powered up, the relay shows via a green LED that power is present. While power is present, the onboard relay stays actuated (fail-safe).

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 mm² (22 ... 15 AWG)
Dimensions (L x W x H)	72 x 68 x 52 mm
Protection class	IP65



1. Screws
2. Longholes
3. Cable gland
4. Power indicator
5. Power Supervisory Relay (PSR)

Fig. 1: Components and assembly

SEQUENCE OF INSTALLATION

1. Open the housing cover by loosening the screws.
2. Wire the PSR according to the installation instructions.
3. Close the housing cover and tighten the screws.
4. Fasten the PSR anywhere near the last UW3 monitoring switch of the corresponding zone using the longholes.

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

ZB-UW3-PSR

INSTALLATION INSTRUCTIONS
Power Supervisory Relay (PSR)

FM APPROVED

www.mecon.de
ZB-UW3-PSR / 25-03

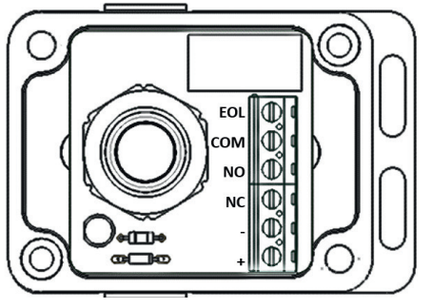


Fig. 2: Terminal and internals

Terminal	Function
EOL	End-of-Line Resistor Terminals
COM	Common
NO	Normally Open
NC	Normally Closed
-	Coil A2
+	Coil A1

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.

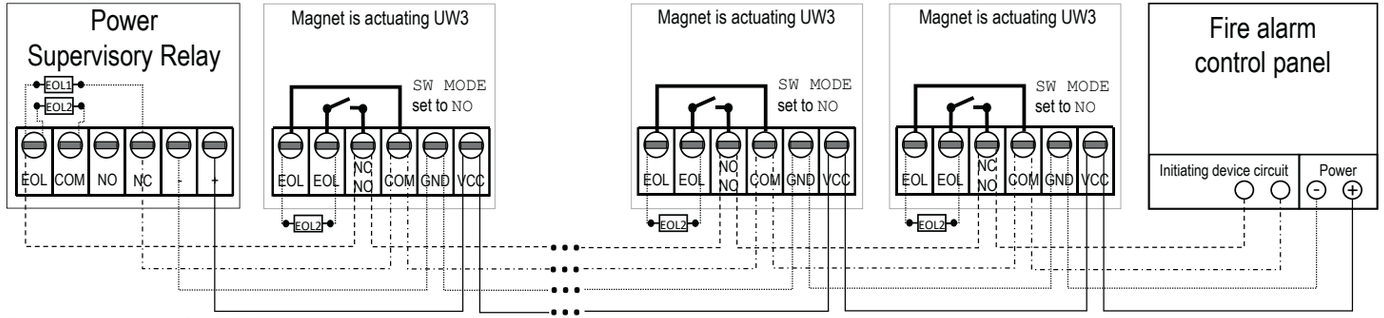


*Fig. 2: Parallel wiring configuration**

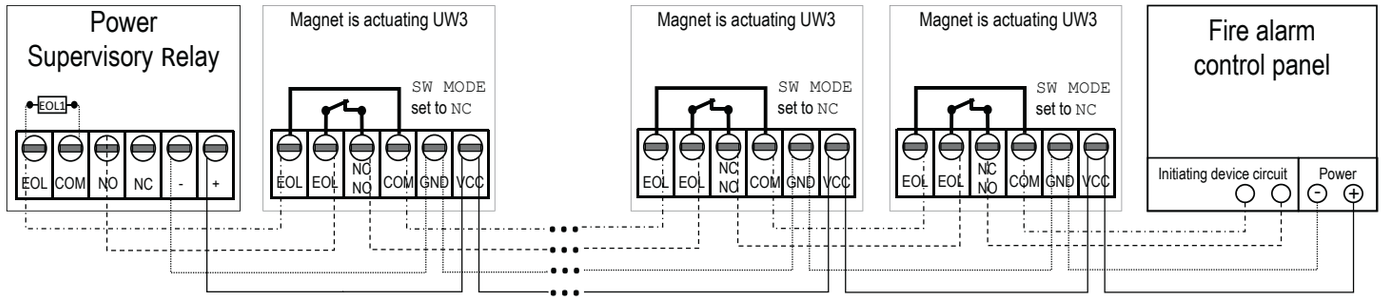


*Fig. 3: Series wiring configuration**

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