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 valve supervisory switch is designed to work with Apollo-loop protocol compatible fire panels.
Supported communication protocols are XP95/Discovery and CoreProtocol.

UW3 switches work with magnet sensing technology and hence require the provided magnet placed at the marked housing location to be in their normal state. Removing the magnet will trigger an alarm. Furthermore, opening the housing will also trigger an alarm (tamper resistance).

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.

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

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MECON
SAFETY CONTROL

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MECON
SAFETY CONTROL

UW30-AE5A#

INSTALLATION INSTRUCTIONS
Addressable Supervisory Switch With Enhanced Security
Apollo

FM
APPROVED

www.mecon.de
UW30-AE5A# / 25-04

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)	100 x 50 x 40 mm
Protection class	IP65

ELECTRICAL INSTALLATION

Wire the SLC loop of your Fire alarm control panel (FACP) to the UW3 as shown in figure 1 by the following steps:

1. Attach the L1 (-) contact ① of your FACP to terminal 2 ⑤ of the Apollo module ③.
2. Attach the L2 (+) contact ② of your FACP to terminal 1 ④ of the Apollo module ③.

To attach further UW3 A E5 A devices to the same SLC loop, daisy chain them as shown:

3. Attach the next UW3 devices terminal 1 with the L2 (+) contact ⑦ to terminal 1 ④ of the current device.
4. Attach terminal 2 of the next UW3 device with the L1 (-) contact ⑧ to terminal 3 ⑥ of the current device.

EXAMPLE WIRING CONFIGURATION

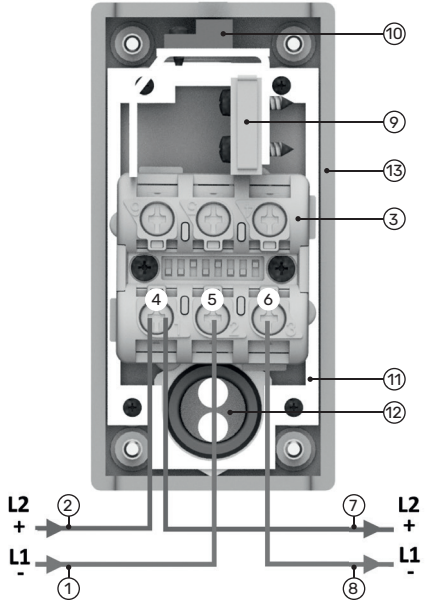

Fig. 1: Example wiring configuration

① L1 (-) contact of Fire alarm control panel (FACP)
② L2 (+) contact of Fire alarm control panel (FACP)
③ Apollo loop module
④ Terminal 1
⑤ Terminal 2
⑥ Terminal 3
⑦ L2 (+) contact of next UW3 A E5 A
⑧ L1 (-) contact of next UW3 A E5 A
⑨ Tamper resistance switch
⑩ Reed sensor
⑪ Sheet metal frame
⑫ Cable gland
⑬ UW3 housing