



LONMARK®
PARTNER

LONMARK PARTNER

LON-WA1/B2-AD230

LON-WA1/B2-AD230

COMMUNICATION INTERFACE FOR EXCHANGING VARIABLES VIA LONWORKS

Functional modules designed for the monitoring of motorised fire dampers

- Easy integration into higher level systems due to standard network variables (SNVT)
- Programming is based on LonMark functional profile 110.01, 'Fire and Smoke Damper Actuator'
- Direct communication between modules (decentralised intelligence)
- High transmission reliability and data integrity
- Network can easily be expanded (free topology)

Application



Application

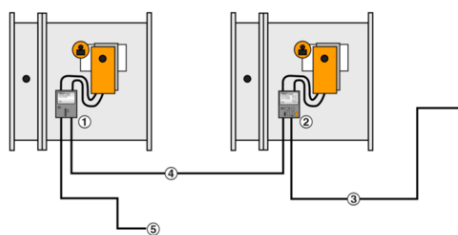
- Connection box LON-WA1/B2-AD230, with an integral power supply unit, is used to connect a second fire damper, that is fitted with a 24 V plug-in actuator, to the LON-WA1/B2 module; the connection box is supplied with 230 V 50/60 Hz voltage from the mains.
- The connection box is connected to the LON-WA1/B2 module with an 8-pole cable.
- The terminals have numbers to facilitate wiring.

TECHNICAL INFORMATION

Functional description

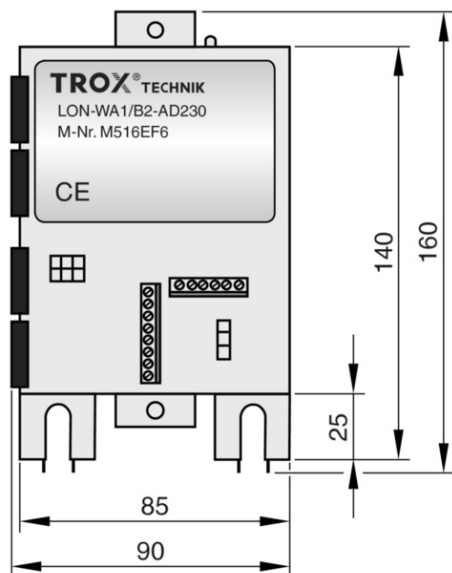
Connection box LON-WA1/B2-AD230 is used to connect a second fire damper, that is fitted with a 24 V plug-in actuator, to the LON-WA1/B2 module. Connection box LON-WA1/B2-AD230 is supplied with 230 V 50/60 Hz voltage from the mains. The integral power supply unit provides the 24 V supply voltage for the actuators and for the LON-WA1/B2 module. An 8-pole cable is used to transmit information on the end positions between the components, to transmit the control input signal for the actuator, and to provide 24 V. The LON-WA1/B2 software allows for each damper to be integrated independently with the LON network.

Control input signal LON-WA1/B2-AD230



- ① LON-WA1/B2-AD230, plug-in module for 24 V AC actuators
- ② LON-WA1/B2, plug-in module for 24 V AC actuators
- ③ LON FTT 10A twisted pair
- ④ 8-wire cable
- ⑤ Supply voltage 230 V AC

Module LON-WA1/B2-AD230



| | |
|------------------------|---|
| Input voltage | 200 – 240 V AC, 50/60 Hz; double terminals for looping through |
| Output voltage | 24 V AC |
| Output current | 750 mA |
| Protection level | IP 54 |
| Operating temperature | –10 to 60 °C |
| Terminals | Actuator control: 3-pole AMP MATE-N_LOK socket; actuators for position indication: 6-pole AMP MATE-N_LOK socket |
| Connection LON-WA1/B2 | Clamp terminals, 90°, for 0.08 – 2.5 mm² |
| Dimensions (B × H × T) | ≈ 90 × 160 × 54 mm |
| Material | Plastic |

Standard description (characteristics)

Connection box with integral 230 V/24 V AC/DC power supply unit for connecting a second motorised fire damper (24 V) to the LON-WA1/B2; the 24 V voltage for the actuators and the LON-WA1/B2 is provided by the integral power supply unit. The damper actuator is connected with an AMP Mate-N-LOK plug. Can be attached to the fire damper with a mounting bracket. An 8-pole cable (by others) is required to connect LON-WA1/B2-AD230 with LON-WA1/B2.

Connections:

- 8-pole terminal strip for the connection to LON-WA1/B2
- 3-pole AMP-Mate-N-LOK socket
- 6-pole AMP-Mate-N-LOK socket
- 6-pole plug connector for the mains (230 V)
- Supply voltage 230 V AC
- Protection level IP 54

LON – WA1 / B3

1

1 Module

- LON-WA1/B3Module for controlling up to two actuators
- LON-WA1/B2-ADConnection box for connecting the second actuator
- LON-WA1/B2-AD230Connection box with integral 24 V power supply unit for connecting the second actuator
- LON-WA1/FT3Module for the control of up to four actuators
- LON-WA4/BModule for capturing up to four damper end positions