



**LONMARK®
PARTNER**

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LON-WA1/B2-AD

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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

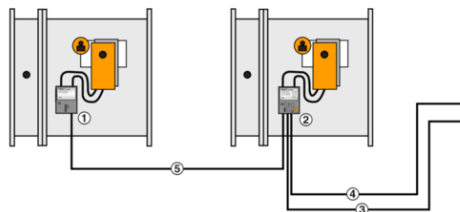
- Connection box LON-WA1/B2-AD is used to connect a second fire damper, that is fitted with a 24 V plug-in actuator, to the LON-WA1/B2 module
- The connection box is connected to the LON-WA1/B2 module with a 6-pole cable
- The terminals have numbers to facilitate wiring.

TECHNICAL INFORMATION

Functional description

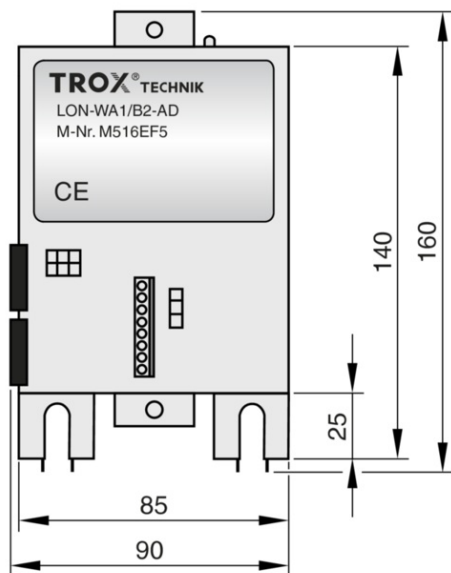
Connection box LON-WA1/B2-AD is used to connect a second fire damper, that is fitted with a 24 V plug-in actuator, to the LON-WA1/B2 module. A 6-pole cable is used to transmit information on the end positions between the components and to transmit the control input signal for the actuator. The second fire damper does not require a separate power supply. The LON-WA1/B2 software allows for each damper to be integrated independently with the LON network.

Control input signal LON-WA1/B2



- ① LON-WA1/B2-AD, plug-in module for 24 V AC actuators
- ② LON-WA1/B2, plug-in module for 24 V AC actuators
- ③ 24 V AC connection
- ④ LON FTT 10A twisted pair
- ⑤ 6-wire cable

Module LON-WA1/B2-AD



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 for the connection of a second motorised fire damper (24 V) to the LON-WA1/B2 module. The damper actuator is connected with an AMP Mate-N-LOK plug. Can be attached to the fire damper with a mounting bracket. A 6-pole cable (by others) is required to connect LON-WA1/B2-AD with LON-WA1/B2. The 24 V supply voltage for the actuator is provided by the 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
- Protection level IP 54

LON – WA1 / B3



1 Module

- LON-WA1/B3** Module for controlling up to two actuators
- LON-WA1/B2-AD** Connection box for connecting the second actuator
- LON-WA1/B2-AD230** Connection box with integral 24 V power supply unit for connecting the second actuator
- LON-WA1/FT3** Module for the control of up to four actuators
- LON-WA4/B** Module for capturing up to four damper end positions