

Indicator Light

AD-LM 12 Vario

AD-LMB 12 Vario

Description

The signal/fault indicator AD-LM 12 Vario, for mounting at the front of the control panel, informs with 12 multicolour leds about errors or operating conditions with glowing or blinking. Because of the multicolour leds, it's not necessary to change the leds for changing the colour. So it's very easy to change the technical appliance. The AD-LM 12 Vario can catch and save short pulses at the inputs, and for resetting its possible to connect external buttons. The device comes with 24 independent inputs which are easy to allot to one or more leds. Its possible to generate a colour- change by changing the input. A keypress on the touch key at the front of the device, generates a light test for all leds (all leds white). The AD-LM 12 Vario has a RS485 bus interface, which can used for the configuration over the AD- Studio (PC). All messages can be labelled with the aid of inserted strips (i.e. paper, foil etc.). This signal/fault indicator is also available with no physical inputs as a bus version (AD-12 Vario LMB). This can be controlled by the remote terminal block AD-AB 32 or by an external master.

Application

Indicate signal/fault status of machines or plants.



Specific characteristics

- detachable terminal clamps
- multicolour leds
- configuration by PC
- 24 independent inputs
- short-circuit proof feeding voltage
- external terminal- block for hat rail available

Business data

Order number

AD-LM 12 Vario standard version with physical inputs
AD-LMB 12 Vario bus- version without physical inputs

Accessory

AD-AB 12/24/32 terminal block for hat rail available
with up to 32 inputs (only adaptable
with the bus version) see: Datasheet
AD-AB 12/24/32

Technical specifications

Active inputs

Voltage range 5 ... 30 VDC
Input resistance > 45 kOhm

Supply

Voltage range AC 20 ... 253 V AC, 50 / 60 Hz
Voltage range DC 20 ... 253 V DC
Nominal voltage AC / DC 230 V AC / 24 V
Power consumption AC / DC 7,0VA / 3,8W

Feeding voltage for contacts

Voltage 4,8 ... 5,2 V DC
Strength max. 1 mA

Relay

Max. load AC 250 V / 2 A (cos phi = 1)
Max. load DC 50 V / 0,5 A (resistive load)
Cycles AC- load ca. 100000 (cos phi = 1)
Cycles DC- load ca. 100000 (resistive load)

Housing

Dimensions (WxHxD) 144x72x71 mm
Front panel cut out 140x68 mm
Protection class panel IP 54
Protection class connection IP 20
Connection method detachable terminal clamp
Manner of fastening Panel-mount-case
Weight 260 g

Environmental conditions

Ambient temperature 0 ... 50 °C
Storage and transport -10 ... 70 °C (no condensation)

EMC

Product family standard EN 61326
Emitted interference EN 55011, CISPR11 Cl. B

Electrical safety requirements

Product family standard EN 61010-1

RS485- Bus

Max. attendance 32
Max. length of bus 100 m
Bus termination 120 Ohm (both sites of the bus)
Wiring bus topology



ADAMCZEWSKI
Elektronische Messtechnik GmbH

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Technical specifications

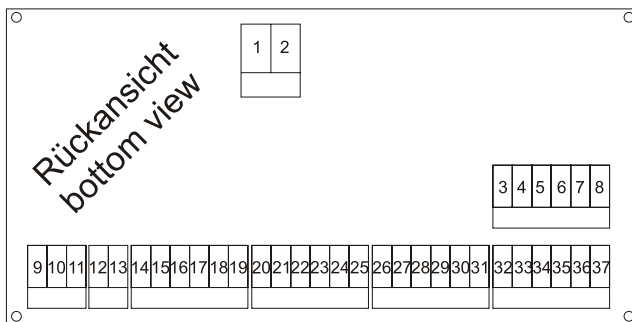
Terminal assignment

Clamp	connection name
1	supply voltage
2	supply voltage
3	contact supply
4	contact supply
5	input for light test
6	ground
7	ground
8	ground
9	relay NO
10	relay COM
11	relay NC
12	RS485 A
13	RS485 B
14	input 1
15	input 2
16	input 3
17	input 4

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- input 5
- input 6
- input 7
- input 8
- input 9
- input 10
- input 11
- input 12
- input 13
- input 14
- input 15
- input 16
- input 17
- input 18
- input 19
- input 20
- input 21
- input 22
- input 23
- input 24

Block and wiring diagram



Dimensions

