

Addressable Input-Output Devices

W Series

WM221-4 Addressable Input-Output Device

(technical data brief)



The WM221-4 addressable input-output device has 2 inputs, 1 monitored relay output 5A at AC/DC30V, 5A fuse. The device provides external supply DC12/24V, AC24V monitoring. Supplied with a built-in short circuit isolator.

The WM221-4 I/O device is designed to monitor and control smoke removal valves, deluge valves, drencher valves, fire dampers, etc.

Address and input/output mode settings are made during commissioning works via the P-01 device programmer (not included, sold separately).

Available in options:

- WM221-4 - as a printed board to fit in a housing
- WM221-4B – in wall-mount housing
- WM221-4D - in 35 mm DIN rail mount housing

Technical Data

Operating voltage	17... 28 V DC
Protocol voltage	5 to 9 V
Quiescent current	≤ 0,25 mA
One LED current consumption	≤ 0,63 mA
All LEDs current consumption (without isolator LED)	1,9 mA
Output relay contact rating	5 A (3 A inductive) at 30VAC/DC
SCI: maximum series resistance - switch closed	≤ 0,13 Ω
Isolator data	Refer to the WM100-2B Short-Circuit Isolator datasheet
Dimensions (L x W x H), mm:	
- WM221-4	103 x 61
- WM221-4B	150 x 94 x 38
- WM221-4D	129 x 94 x 49
Weight	≤ 150 g
Housing IP rating	IP30
Operating temperature	-10 °C to +55 °C
Humidity	up to 95 % (non-condensing)
Average service life	10 years

Features

- 2 monitored inputs, 1 monitored output with external power supply monitoring
- Address range 1 – 125
- Built-in short-circuit isolator
- Input, output and SCI status indicators
- Address and input/output mode setting using P-01 device programmer
- Loop powered
- Three mounting type versions
- Easy mounting and installation



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