

FirePLC BM-1000

Input/Output Module

Device description

FirePLC BM-1000 inputs/outputs modules are easily programmable controllers for all fire ventilation systems. The BM-1000 are designed for any type of building and will efficiently manage any connected device. BM-1000 inputs/outputs modules can be used in fire ventilation control panels meeting standards such as EN 12101-6, EN 12101-10, EN 12101-13, EN 54-4.

Features

Quick development

Up to 6 modules of BM-1000 can be connected with each other without additional wiring using a communication bus, which gives up to 60 inputs or up to 36 outputs.

Easy setup

The easy-to-use configuration application will allow you to configure system for any object without any programming languages.

Large resources

Each module has 12 digital inputs with continuity control and 6 relay outputs. Expansion cards allow you to increase the number of inputs/outputs, support analog inputs/outputs or expand communication interfaces.

Part of the network

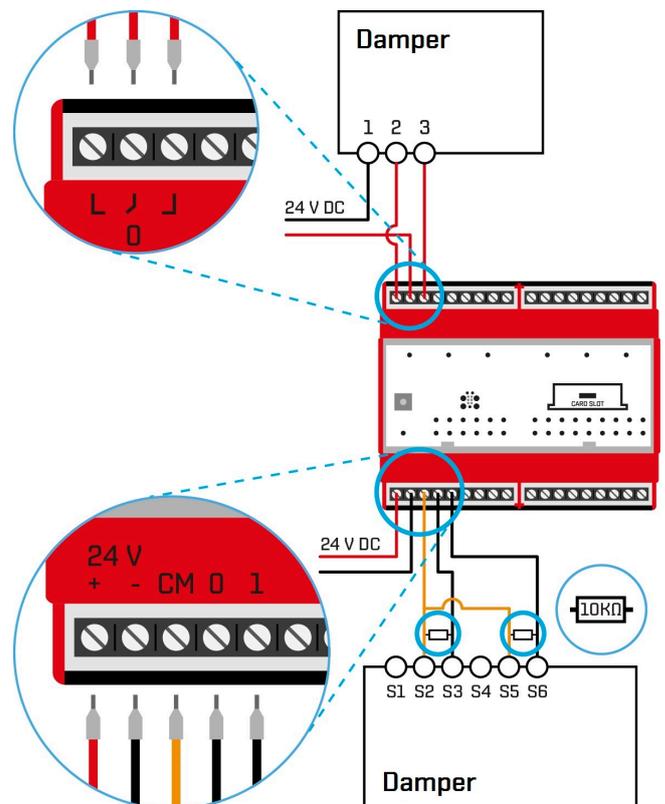
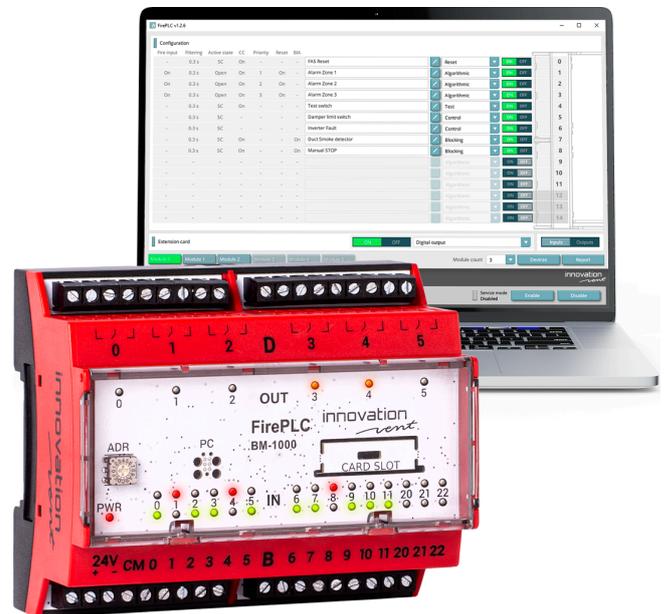
BM-1000 inputs/outputs modules enable connection of up to 8 control boards into one network. Working in the network allows you to prepare a visualization or run the entire system with one signal.

Error preview

The configuration application will automatically list all errors with their description. The LEDs on the device clearly show the status of the inputs and outputs of the device.

Technical parameters

PARAMETER	VALUE
Supply voltage	24 V DC \pm 15%
Power consumption	typ. 60 mA, $I_{MAX} < 130$ mA
Communication	Modbus RTU
Inputs	With wire monitoring, 0-10 V
Outputs	Relay SPDT, 0-10 V
Maximum continuous relay current	3 A 250 V AC [AC1] 1 A 250 V AC [AC3] 3 A 30 V DC [DC1]
Maximum continuous current of all relays	12 A
Operating temperature	from -25 °C up to +50 °C
Case protection class	IP20
Dimensions	108x90x62 mm
Weight	270 g



Example of wiring damper with two limit switches.

