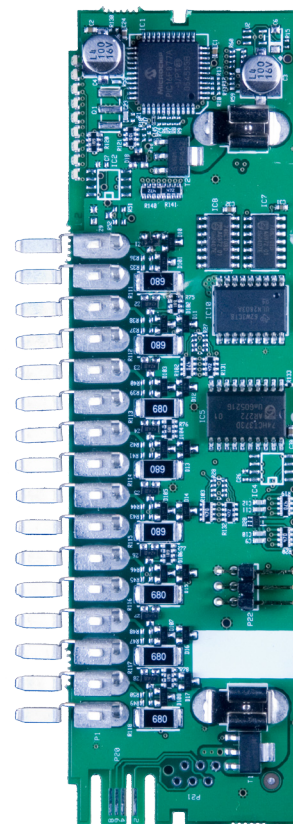


- 8 digital input channels
- For fixed or momentary switches
- For plus (+), minus (-) or potential free signals
- High brightness running and alarm indication on one standard single colour LED
- Overcurrent protection for running and alarm indication LED
- Reduced amount of cabling since running and alarm indications are connected in parallel with switch
- Main switch and interlock functions can be used to block any function
- Attach infrared detectors or magnetic switches directly for advanced burglar alarm
- Simple fuse reset function
- Dimmer function for running indications
- Time-on, time-off and touch protection delays available for all inputs
- Detachable terminals, 2.5mm², spring connection
- Wide range power supply, 9-32VDC



Features

Each module has 8 input channels. Each channel can be individually configured as fixed or momentary switch.

Each channel can be configured to accept plus (+), minus (-) or potential free signals allowing any digital signal to be received into the system.

A separate light emitting diode (LED) can be connected in parallel with each switch for running/alarm indication. This feature reduces the amount of cables and eases the installation. The running indication can be controlled by any input or output in the system.

One input channel can control any number of outputs in the system.

Several types of time delays are available and one input can control several outputs with different delays.

Infrared detector signals and magnetic switches can be connected directly to the input channels to create a burglar alarm.

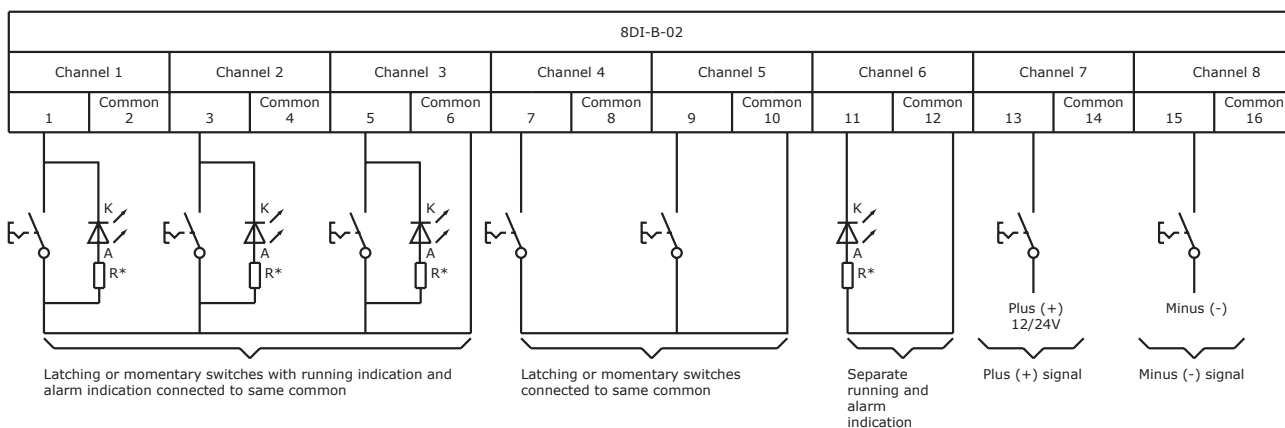
This EmpirBus™ slave module can only be used with the EmpirBus™ master unit.

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Connection example



* Current Limit Resistor

$R = \text{Voltage supply} - \text{LED forward voltage} / 0,020\text{A}$

Voltage supply, 12V system is about 14V when charging. 24V around 28V
LED voltage forward (Vf) = Nominal 1,7 - 2,2V

12V System Example

$14\text{V} - 2,0\text{V} = 12\text{V}$
 $12 / 0,020 = 600\Omega$ minimum

24V System Example

$28\text{V} - 2,0\text{V} = 26\text{V}$
 $26\text{V} / 0,020 = 1300\Omega$ minimum

Specifications

Inputs:	8 inputs
Idle current consumption:	0,25mA
Closed minus input signal consumption peak/average:	4mA/1mA
Closed 12V plus input signal consumption peak/average:	170mA/1mA
Closed 24V plus input signal consumption peak/average:	340mA/2mA
Over current protection limit for LED:	20-40mA
Supply voltage:	9-32VDC
Ambient temperature:	-20 to +70 degrees Celsius
Dimensions:	132 x 35 mm

Articles

Article no.	Description
8DI-B-02	8 Channel Digital Input Module for plus, minus or pot. free signals
8DI-B-02-T	8 Channel Digital Input Module for plus, minus or pot. free signals with Terminal
8DI-B-02-T-B10	8 Channel Digital Input Module for plus, minus or pot. free signals with Terminal (10 pack)



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