

mDI001

DIGITAL INPUT MODULE



- 2m (6') of durable UL 2517 TPE cable with UV protection
- Potted construction for mounting in harsh environments
- Monitors 4 digital inputs from switch or relay contacts
- Inputs are self-powered, no external power source required
- Intrinsically Safe if used with the mBC083 Bus Converter
- Adjustable update rate
- Standard and failsafe input modes
- LED indicator for power on/communications

Product Description

The mDI001 is a self-powered digital input module with 4 inputs. The module is packaged in a potted plastic case with a pluggable terminal strip. The module can monitor up to 4 switches or dry relay contacts. It supports standard on/off mode or failsafe mode. Using failsafe mode, the module can detect loop open and short circuit conditions.

The device connects to the 1-Wire communications bus using the attached 2m (6') cable and RJ-11 connector. Power is derived from the 1-Wire® bus, external power is not required.

Typical Applications

Monitoring of remote switch or relay contacts.

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Specifications	Description	Characteristic
IS Sensor Bus	Voltage	5 VDC
	Current	3.0 mA maximum
	Communications	Single-Wire Bus
Inputs	Voltage	3.3VDC
	Current	220 μ A
	Delay	State change delay - 1 sec
Environment	Recommended Operating Range	-40°F to +165°F (-40°C to +74°C)
	Relative Humidity	0 to 100% non condensing
Dimensions	Length	2.9" (74mm)
	Width	1.3" (33mm)
	Depth	1.15" (30mm)