

4 x DIGITAL INPUT TO RELAY OUTPUT MODULES BD901 AND BD902

Issue 1.0, Aug 2008

Function: The BD901 is a 4 channel TTL Open Collector input module that gives four SPCO relay outputs. The BD902 is a 4 channel logic level input device (either CMOS or TTL) that also gives four SPCO relay outputs.

Picture to follow

Both units are DIN Rail Mounting.

SPECIFICATIONS

INPUTS:

BD901

4 X TTL Open Collector

BD902

4 x Logic Level inputs
Logic 'LOW' 0 to 0.5 Volt DC
Logic 'HIGH' 1 to 2 Volt DC
CMOS or TTL Logic

OUTPUTS:

Relay - Contacts

Four SPCO relay contacts -
one per input

Contact Ratings

Maximum current 2A
Maximum voltage 250V AC
Maximum voltage 24 Volt DC

Switching Mode

Relay energises on Logic 'HIGH'

Relay State Indication

Bi-colour red/green LED
Green = Logic 'LOW'
Red = Logic 'HIGH'

SUPPLY:

Power Supplies

115 Volt AC $\pm 15\%$ 50/60 Hz
230 Volt AC $\pm 15\%$ 50/60 Hz

Power Required

3VA or 3W Maximum

GENERAL:

Operating Temperature Range
0 to +50°C

Storage Temperature Range
-20 to +60°C

Operating Humidity Range
0 to 95% RH non-condensing

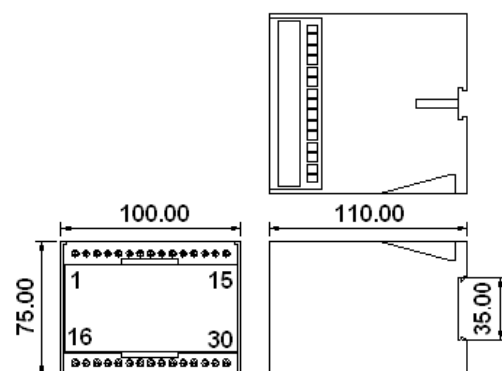
Storage Humidity Range
0 to 95% RH non-condensing

Weight

BD901 360 gms

BD902 360 gms

MECHANICAL DETAILS



TERMINAL DETAILS

Terminal

Inputs

- 1 Channel 1 +ve
- 2 Channel 2 +ve
- 3 Common
- 4 Channel 3 +ve
- 5 Channel 4 +ve
- 6 to 15 - Unused

Terminal

- 16 Relay N/O
- 17 Common Trip 1
- 18 Relay N/C
- 19 Relay N/O
- 20 Common Trip 2
- 21 Relay N/C
- 22 Relay N/O
- 23 Common Trip 3
- 24 Relay N/C
- 25 Relay N/O
- 26 Common Trip 4
- 27 Relay N/C
- 28 230V ~
- 29...110V ~
- 30...Neutral

ORDERING DETAILS

- a) Give identification code, i.e. BD902
- b) Give power supply voltage, i.e. 230 Volt AC
- c) Give details of input, i.e. 4 x TTL Logic Inputs



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