

**4 x DIGITAL INPUT TO RELAY OUTPUT
MODULES BM901 AND BM902**

Issue 1.0, Aug 2008

Function: The BM901 is a 4 channel TTL Open Collector input module that gives four SPCO relay outputs. The BM902 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:

BM901
4 X TTL Open Collector

BM902
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
8 to 30VDC

Power Required
3VA or 3W Maximum

GENERAL:

Operating Temperature Range
0 to +50°C

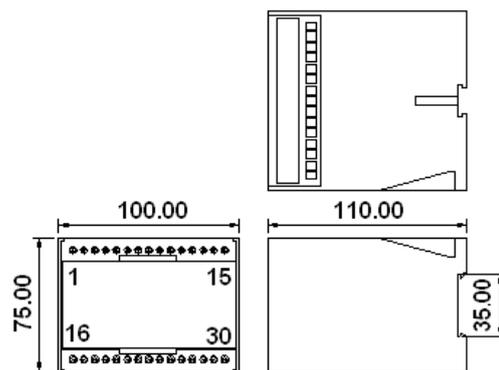
Storage Temperature Range
-20 to +60°C

Operating Humidity Range
0 to 95% RH non-condensing

Storage Humidity Range
0 to 95% RH non-condensing

Weight
BM901 360 gms
BM902 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 DC +ve
29 Unused
30 DC -ve

ORDERING DETAILS

- a) Give identification code, i.e. BM902
- b) Give power supply voltage, i.e. 8 to 30 VDC
- c) Give details of input, i.e. 4 x TTL Logic Inputs

