COMBI 32 WAY RELAY UNIT

Specification Sheet
ref C1249Bv2

The 32 way relay panel accepts relay data from the combi control unit. It must have a unique address between 128 and 255. This can be selected using the SW1 binary address switch (see example). Ensure that its address does not conflict with another CAN bus device.

The selected address will be recognised by the combi control unit automatically on power up. This can be checked in engineers menu 27 "setup network", by pressing the select button until the top line reads "view device on net & connect to repeater", using the down arrow hold until it arrives at the address selected on SW1 address switch. A "Z" will appear next to your address selected when both the 32 way relay and combi control unit are communicating. Any number of relay panels may be connected together or with other CAN bus devices, but only 64 relay commands can be programmed. Each relay panel can be programmed to accept commands for relays 1-32 or 33-64, this option is selected by J7 jumper (insert link for relays 33 to 64) see diagram or jumper section for more details.

During system testing all relay actions may be disabled by removing jumpers J5 and J7, however relay indicator Led's 1 to 32 remain functional and the sounder becomes operational when in this state. After testing J5 and J7 must be reinserted for normal operation.

Relays
32-SPCO @ 8A/24vDC

Enclosure
(H) 265mm x (W) 315 mm x(D) 95mm
Mild steel powder coat BS 00A01 (IP52)

Cable Entry
Bottom / Rear 20mm

Connectivity
CAN addressable on CAN bus 1 or 2 (4Core)
24v, Hi, Lo, 0v Via J10
Ribbon cable (10 core) Via J2

Power Consumption
All relays normally de-energised 0.13w
All relays normally energised 17w

Weight
5Kg

Operating Temperature
-10°C to +50°C

LED's
Fault (D107) – On when fault is present
MPU (D8) – Flashes when processor is active
CAN (D98) – Flashes when transmitting CAN data

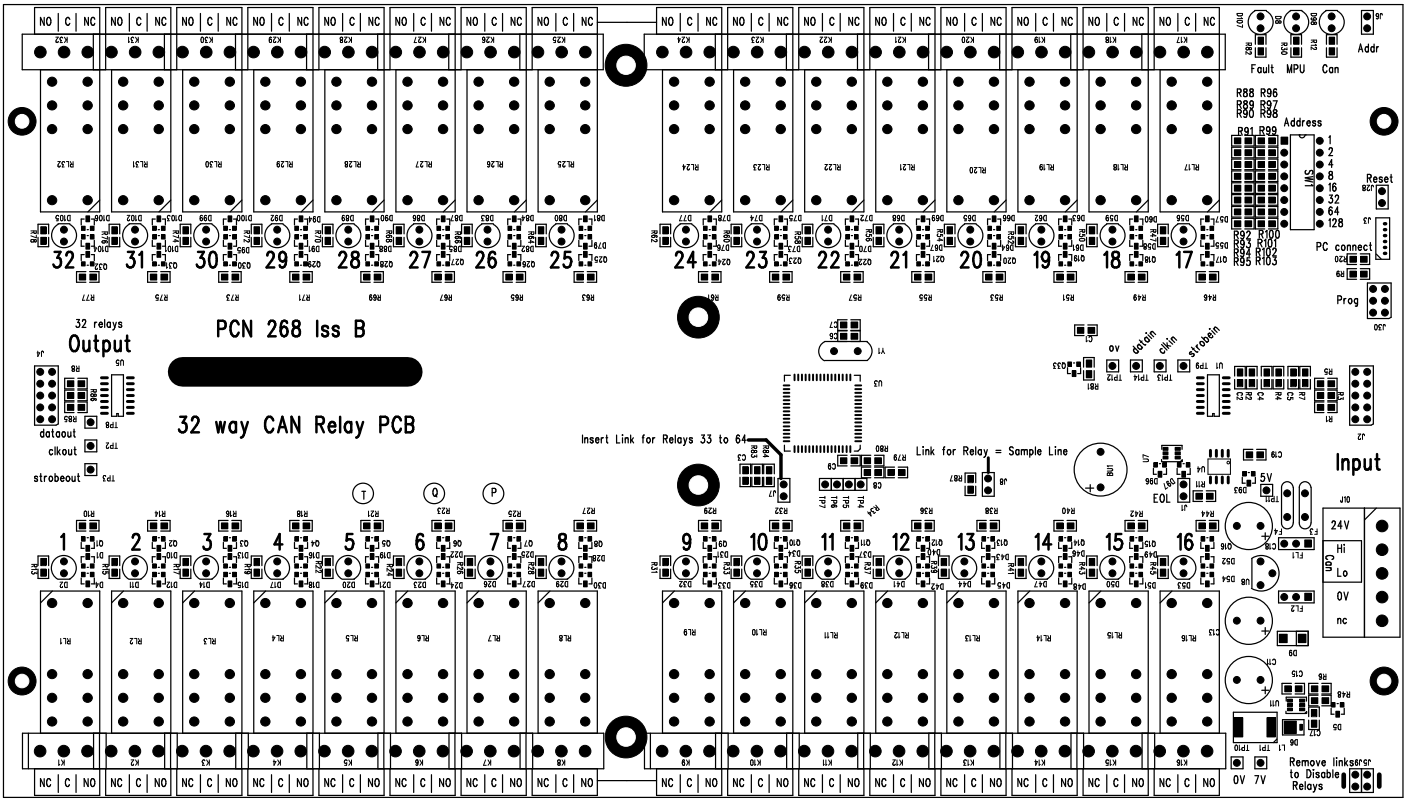
Jumpers
Relay select (J7) – Link off relays register as 1-32
– Link on relays register as 33-64
OPT (J8) – Link on for relays to indicate active sample line when used with GDS 305 flow sample system
EOL (J1) – Link on if 32 way relay board is at the end of the system field cable run
Reset (J28) – Short pins to reset processor
Addr (J6) - Unused

Ribbon Cable
Input (J2) and output (J4) connectors can be used in conjunction with or as an alternative to CAN bus

Switches
Address (SW1) – Binary switch

E: sales@gds-technologies.co.uk T: 0113 286 0166 F: 0113 287 8178
GDS TECHNOLOGIES LTD | FUSION POINT | ASH LANE | GARFORTH | LEEDS | LS25 2GA | UK
www.gds-technologies.co.uk

Specification Sheet
ref C1249Bv2



CAN bus 1 or 2

Via J10	Via J10
Relays	Relays
1-32	33-64

Ribbon Cable

Relays	Relays
Via J2 Via J4	Via J2
1-32	1-32

CAN bus 1 or 2 & Ribbon Cable

Via J10	Relays
Relays	Via J2
1-32 Via J4	1-32

Order Code: 007-613

Eg: address 131

SW1

☐	1
☐	2
☐	4
☐	8
☐	16
☐	32
☐	64
☐	128

CE
C1508

E: sales@gds-technologies.co.uk T: 0113 286 0166 F: 0113 287 8178
GDS TECHNOLOGIES LTD | FUSION POINT | ASH LANE | GARFORTH | LEEDS | LS25 2GA | UK
www.gds-technologies.co.uk