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Technical Article

Ref: Gong board article

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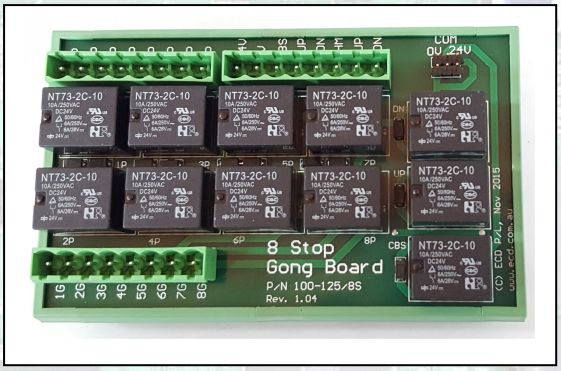
Gong Board P/N 100-125/4S, 8S, 12S

Description: The 100-125 range of gong boards are used to interface the controller to hall gong chimes and direction indicators. Gong boards are available in the following versions;

- 4 stop version. 100-125/4S. *Dim. 90mm x 77mm*
- 8 stop version. 100-125/8S. *Dim. 125mm x 77mm*
- 12 stop version. 100-125/12S. *Dim. 160mm x 77mm*

Mounting: For easy installation, all versions are mounted in a plastic housing, suitable for clipping on to 35mm DIN rail



100-125/8S

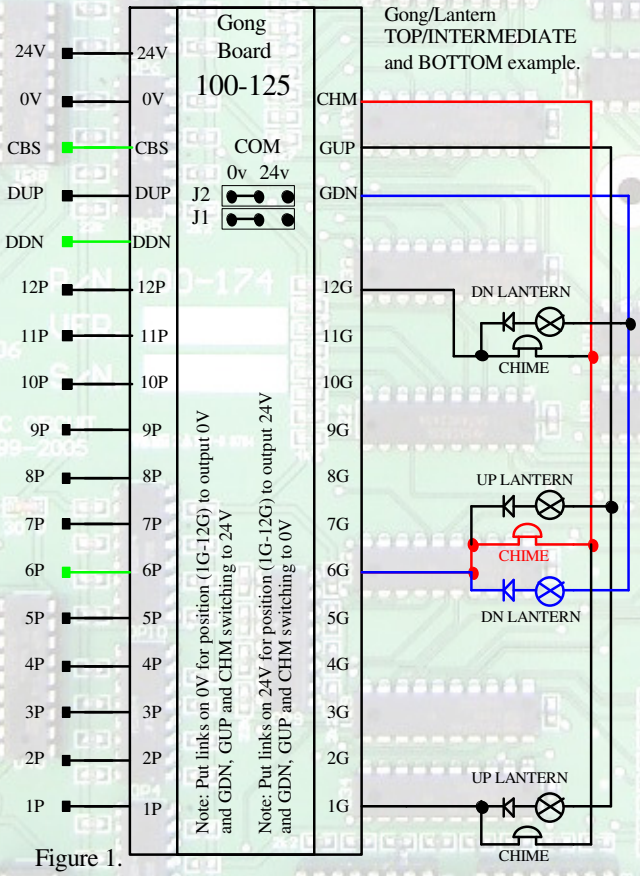


Figure 1.

Wiring:

- The 100-125 board is supplied from a 24VDC supply. Wire 24VDC to the 24V and 0V terminals.
- Inputs 1P to 12P are wired to the 24VDC position outputs from controller.
- Input CBS is wired to the 24VDC CBS output from controller. This output turns on when answering **hall calls** to turn on the hall gong chimes and direction indicators**.**
- Input DUP is wired to the 24VDC up position output from controller.
- Input DDN is wired to the 24VDC down position output from controller.
- Outputs 1G to 12G are wired to the respective floor gongs/chimes and direction indicators.
- Output CHM is wired to all the floor gong/chime units.
- Input GUP is wired to all the up direction indicators.
- Input GDN is wired to all the down direction indicators.

Note: Put links on 0V for position (1G-12G) to output 0V and GDN, GUP and CHM switching to 24V

Note: Put links on 24V for position (1G-12G) to output 24V and GDN, GUP and CHM switching to 0V

Operation Example;

Down gong and hall lantern on level 6 to operate as 6 down hall call is answered;
As elevator answers 6 down hall call (inputs in green), relays 6P, CBS and DN on the 100-125 board will be energized.
This will result in 24VDC at terminal CHM and GDN. Terminal 6G will be at 0V.
As seen from the figure 1, 24v flows from terminal CHM through the chime on level 6 to 0V at terminal 6G. See red trace
24V also flows from terminal GDN through the DN Lantern on level 6 to 0V at terminal 6G. See blue trace.
Nb: Links to be on 0V as per figure 1.