

Optional I/O Expansion Boards GEN-TRANS EN/L-EX GEN-TRANS EN/L-EXR

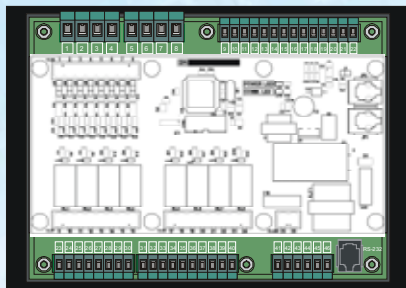
Optional I/O Expansion boards for GEN-TRANS EN/L has 8 configurable inputs and 8 configurable relay outputs.

- GEN-TRANS EN/L-EX: I/O expansion board which is mounted at rear side of GEN-TRANS EN/L with screws includes 10 centimeters CanBus® cable.
- GEN-TRANS EN/L-EXR: I/O expansion board which is DIN RAIL mounting type includes 2 meters CanBus® cable.

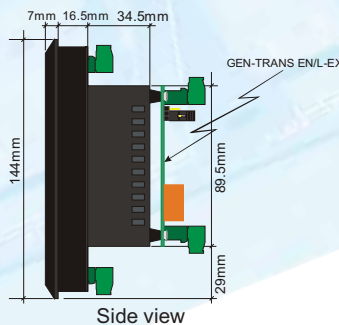
Configuration

The Expansion Module Selection parameter in CanBus® Configuration page of GEN-TRANS EN/L is enabled before the expansion board is mounted to GEN-TRANS EN/L. The module will automatically respond to signals from GENTRANS EN/L. The expansion inputs appear in the Expansion input configuration pages. The expansion relays appear in the Expansion output configuration pages. For more information on configuration and input - output states refer to the GEN-TRANS EN/L manual.

GEN-TRANS EN/L-EX (Mounted at rear side of GEN-TRANS EN/L with screws)

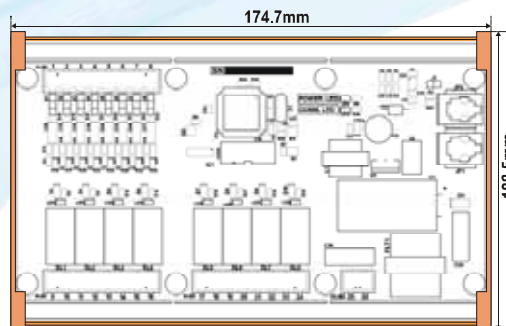


Front view

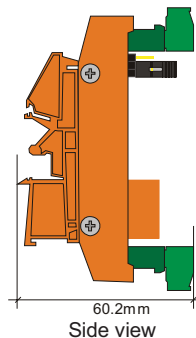


Side view

GEN-TRANS EN/L-EXR (DIN RAIL mounting type)



Front view



Side view

Specifications & Ratings

- DC battery supply voltage: 8 to 32 Vdc
- Max. operating current: 160mA @ 12V, 80mA @ 24V

Dimensions

GEN-TRANS EN/L-EX:

- 174.7mm x 108.5mm x 60.2mm (include connectors). Mounted at rear side of GEN-TRANS EN/L with screws

GEN-TRANS EN/L-EXR:

- 174.7mm x 108.5mm x 60.2mm (include connectors). DIN RAIL mounted housing

- Operating temperature range: -25 °C to +70 °C

Inputs

- 8 configurable inputs. Selectable -Ve, +Ve, NO, NC. For more information see Figure-1

Outputs

- 8 configurable relay outputs. 5A at dc supply voltage

Indicators

- Power ON LED
- Communication (to controller) LED flashing
- 8 Relay active LED's

CAN interface

- Output: CAN-H, CAN-L
- Wiring: Twisted pair
- Bus connection: CAN 2.0A (ISO-11898)
- Data transfer rate: 250 Kbps
- Interface connector: FCC-68 (4pin)

Typical Connections

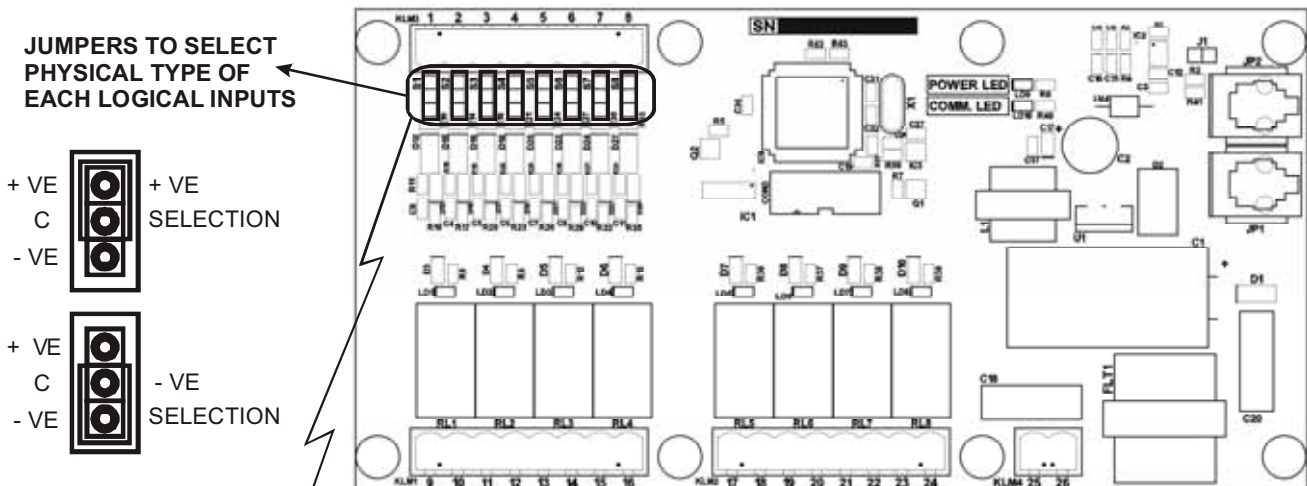
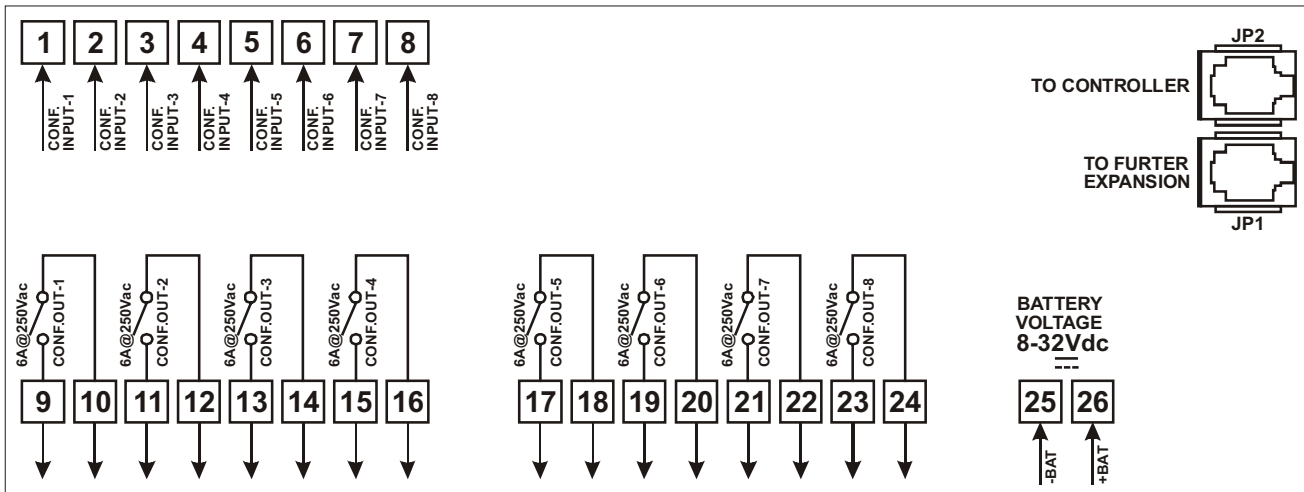


Figure-1

All logical inputs named as "Expansion configurable inputs" can be configured as "+Ve" or "-Ve" by using these jumpers. The logical inputs' types must be configured as "+Ve" or "-Ve" at the related parameters of GEN-TRANS-EN/L (The Hardware Type parameter in Expansion configurable input page). The logical inputs' forms should also be configured as "NO" or "NC" at the related parameters of GEN-TRANS-EN/L (The Polarity parameter in Expansion configurable input page).

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