

Model 8646

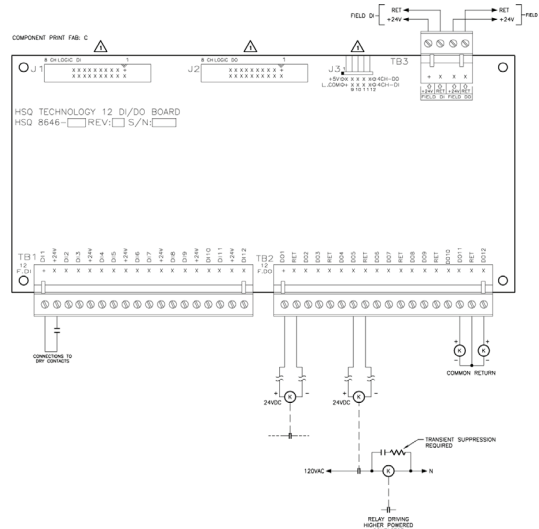
12-Channel Digital Input / 12- Channel Digital Output Board



Technical Summary

Key Features

- ◇ I/O Type: Twelve Digital Input, Twelve Digital Output
- ◇ Optical Isolation Between Field and Logic Circuits
- ◇ RC Noise Filtering



Model 8646 connection diagram

The HSQ Model 8646 board offers 12 digital inputs and 12 digital outputs. Each board input is optically isolated and provides RC noise filtering. LEDs (one for each digital input and output) indicate the current status of operations. This board is designed for use with the HSQ 25x86 Logic Processor and connects via ribbon cables. It can be used with other input/output termination boards.

SPECIFICATIONS

Channels

- **Digital Input:** 12 per board (24 V_{DC} nominal), with LED displays
- **Digital Output:** 12 per board (200 mA maximum @ 24 V_{DC} with 24 V_{DC} logic power), with LED displays

Protection

- **Optical Isolation:** 2500 V_{AC} between field and logic circuits

General

- **Power:** 200 mA @ +24 V_{DC}, the board includes a +5 V_{DC} power indicator LED
- **Connections:** Plug-in type Phoenix connector for 12 to 18 AWG wire
- **Field Connections:** Two 18-pin Phoenix connectors
- **RTU Interface:** **Ribbon cable connectors (with power and logic ground):**
 - 20-pin digital input connector (for 8 digital inputs)
 - 20-pin digital output connector (for 8 digital outputs)
 - 10-pin connector (for 4 digital inputs and 4 digital outputs) that connects to the AUX port of the HSQ 8602 Control Panel board

Environment

- **Operating Temperature:** 0° – 60° C (32° – 140° F)
- **Storage Temperature:** -20 – 85° C (-4 – 185° F)
- **Humidity:** 5 – 95% RH (non-condensing)
- **Dimensions:** 216 x 102 x 25 mm (8.5 x 4 x 1 in.)
- **Weight:** ~179 g (6.3 oz.)