

Model 2548

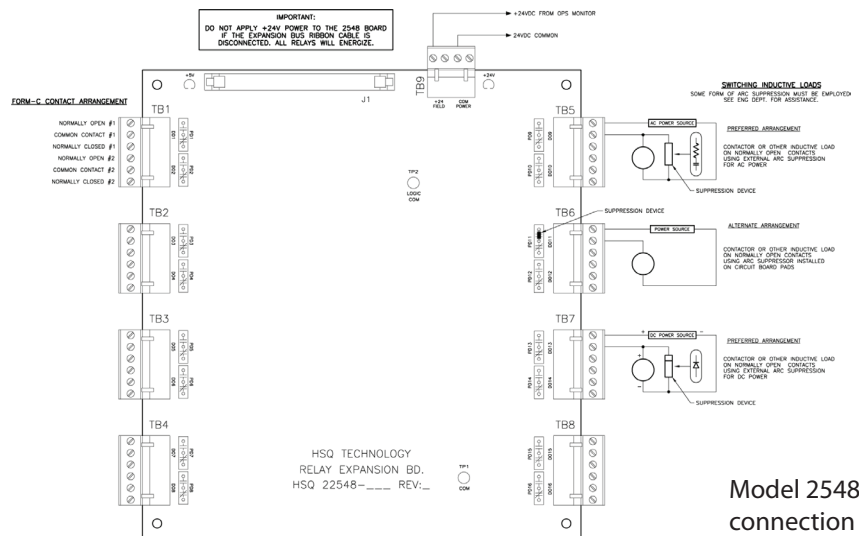
16-Channel Relay Digital Output Expansion Board



Technical Summary

Key Features

- ◇ I/O Type: 16 Relay Digital Outputs
- ◇ Form C Dry Contacts
- ◇ Silver Cadmium Oxide Contacts
- ◇ Isolation Between Contacts and Coil
- ◇ Four Layer Internal Ground Planes



The HSQ Model 2548 board offers 16 relays with Form C dry contacts. Each relay is rated for 10 Amps AC or DC. Each contact has pads on the circuit board for installation of optional devices, such as capacitors or transient voltage suppressors. The 2548 is fabricated in four layers and provides ground planes for inherent immunity to electromagnetic noise. This board is designed for use with the HSQ 25x86 Logic Processor and is addressed, read, and controlled through that unit's expansion bus via ribbon cable.

SPECIFICATIONS

Digital Output

- **Channels:** 16 relays with Form C dry contacts
- **Contacts:** Silver Cadmium Oxide
10 A @ 28 V_{DC} or 120 V_{AC}

Protection

- **Isolation:** 1000 V RMS, 60 Hz between open contacts
1500 V RMS, 60 Hz between coil and contact
- **Grounding:** 4 layer PCB with internal ground planes, provisions for connecting optional protective devices and grounding

General

- **Power:** +5 V_{DC} through the expansion bus: 150 mA (230 mA maximum)
+24 V_{DC}: 15 mA per relay energized
- **Connections:** Plug-in type terminal blocks for up to 12 AWG wire

Environment

- **Operating Temperature:** 0° – 60° C (32° – 140° F)
- **Humidity:** 5 – 95% RH (non-condensing)
- **Dimensions:** 191 x 203 x 25 mm (7.5 x 8 x 1 in.)