

Model 2507

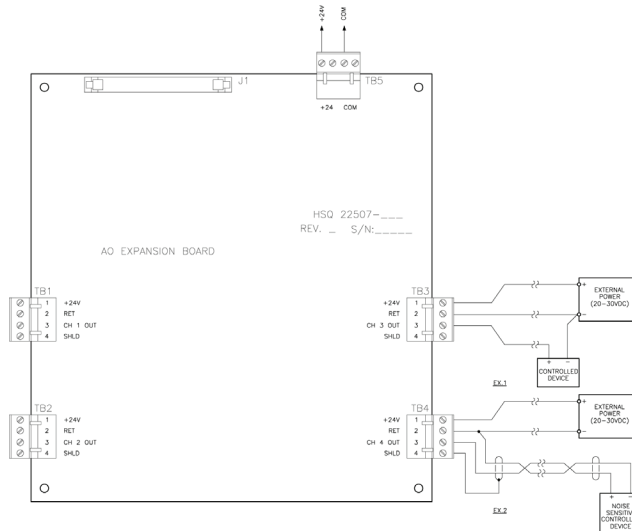
4-Channel Analog Output Expansion Board



Technical Summary

Key Features

- ◇ I/O Type: Four Analog Output
- ◇ 12-bit Digital to Analog Converters
- ◇ Each Channel Drives 500 Ohms
- ◇ Open Circuit and Surge Protection



Model 2507 connection diagram

The HSQ Model 2507 board has four optically isolated 4 to 20 mA analog outputs using 12-bit digital to analog converters. The 2507 maintains output current on command for as long as analog output power is maintained (outputs source 4 mA on power up). Loss and reapplication of RTU power does not disturb the output level. Open circuit and surge protection are provided at all outputs. This board is designed for use with the HSQ 25x86 Logic Processor and is addressed and read through that unit's expansion bus.

SPECIFICATIONS

Digital Output

- **Channels:** 1 – 4 per board, each drives 500 ohms (maximum)

Protection

- **Optical Isolation:** 1500 V_{DC} continuous between outputs
1500 V_{DC} between field and logic circuits

General

- **Power:** **Analog Output:** 20 to 30 V_{DC} (24 V nominal), 20 mA per channel maximum
Logic System: 20 to 30 V_{DC}, 150 mA @ 24 V nominal (350 mA maximum)
- **Connections:** **Outputs:** Plug-in / pull-out terminal blocks, no rewiring
Expansion Bus: 50-pin header

Environment

- **Operating Temperature:** 0° – 60° C (32° – 140° F)
- **Humidity:** 10 – 90% RH (non-condensing)
- **Dimensions:** 191 x 203 x 32 mm (7.5 x 8 x 1.25 in.)
- **Weight:** ~283 g (10 oz.)