

# 7705 40-Channel Control Module

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## GENERAL

**RELAY SWITCH CONFIGURATION:** 40 independent channels of 1-pole switching. Isolated from internal DMM.

**CONTACT CONFIGURATION:** 1 pole Form A.

**RELAY TYPE:** Latching electromechanical.

**CONNECTOR TYPE:** Two 50-pin female D-sub connectors.

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## INPUTS

**MAXIMUM SIGNAL LEVEL:** 300VDC or rms, 2A switched, 60W (DC, resistive), 125VA (AC, resistive).

**CONTACT LIFE:** No load<sup>1</sup> 10<sup>8</sup> closures.

At Maximum Signal Levels: 10<sup>5</sup> closures.

**CHANNEL RESISTANCE (per conductor):** <1 .

**CONTACT POTENTIAL:** 4 $\mu$ V per contact.

**OFFSET CURRENT:** <100pA.

**ACTUATION TIME:** 3ms.

**ISOLATION: Channel to Channel:** >10<sup>9</sup> , <50pF

Common Mode: >10<sup>9</sup> , <100pF

**CROSSTALK (1MHz, 50 load):** <-35dB.

**INSERTION LOSS (50 source, 50 load):** <0.3dB below 1MHz, <3dB below 10MHz.

**COMMON MODE VOLTAGE:** 300V between any terminal and chassis.

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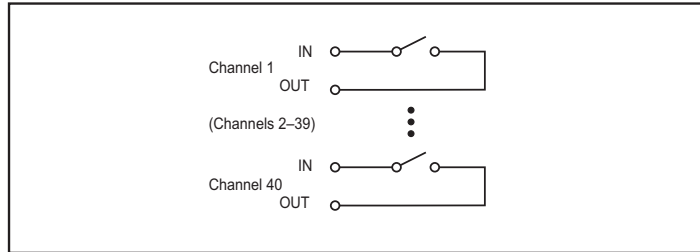
## ENVIRONMENTAL

**OPERATING ENVIRONMENT:** Specified for 0°C to 50°C.

Specified to 80% R.H. at 35°C.

**STORAGE ENVIRONMENT:** -25°C to 65°C.

**WEIGHT:** 0.45kg (1 lb).



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1. Minimum signal level 10mV, 10uA.