

Honeywell CC-PAIL51

CC-PAIL51 | Honeywell | Low Level Analog Output

Parameter Specification

Input / Output Model : CC-PAIL51

IOTA (16pt): CC-TAIL51, 9”

Input Type: Thermocouple or RTD (configurable per channel)

Temperature

Operating Temperature: -40 to +70

Storage Temperature: -40 to +85

Input Channels: Fully isolated Channel to Channel and Channel to Power System

Input scan rate: 1 Second

Channel bandwidth :0 to 4.7 Hz (-3 dB)

Nominal input range (TC only): -20 to +100 millivolts

Maximum normal mode

continuous input (non-damaging):

-10 to +10 volts (TC)

-1 to +2 Volts @ 100 milliamps (RTD)

Gain error: 0.050% full scale max

Temperature stability

TC, Millivolt inputs: +/-20 ppm per max

RTD inputs: +/-20 ppm per max

Long term drift: 500 ppm

Input impedance 1 megohm at dc (TC only)

CMV with respect to Power System common, dc to 60 Hz: +/-250 VDC or VAC RMS

CMRR, 50 or 60 Hz (with 1000

ohms source impedance max.) : 120 dB min

Voltage, channel-to-channel, dc to 60 Hz: +/-250 VDC or VAC RMS

Crosstalk, dc to 60 Hz: 80 dB (120 dB at 50 and 60 Hz)

NMRR at 50/ 60 Hz: 60 dB min

Line frequency integration: Fixed selection of 50 Hz or 60 Hz

RTD sensor excitation current : 1 milliamp

Cold junction compensation range : -20 to +60 °C (+/-0.5 °C typical)

TC Linearization Accuracy: $\pm 0.05 \Omega / ^\circ\text{C}$

Open Thermocouple Detection: Each conversion qualified, $\leq 1000 \Omega$ = guaranteed no-trip
 1500Ω guaranteed trip.

RTD Max Lead Resistance: 15 Ω

You can contact us through the following contact information

www.sparetechplc.com +86 180 3000 5825 sales@sparetechplc.com

Supported types (RTD)

Pt: 100 ohm DIN 4376: -180 to +800 °C

Pt: 100 ohm JIS C-1604: -180 to +650 °C

Ni: 120 ohm ED #7: -45 to +315 °C

Cu: 10 ohm SEER :-20 to +250 °C

Cu: 50 ohm SEER :-50 to +150 °C

Supported types

(Thermocouple)

ANSI specification J: -200 to +1200 °C

ANSI specification K: -100 to +1370 °C

ANSI specification E: -200 to +1000 °C

ANSI specification T: -230 to +400 °C

ANSI specification B: +100 to +1820 °C

ANSI specification S: 0 to +1700 °C

ANSI specification R: 0 to +1700 °C

Supported millivolt types: -20 to +100 millivolts



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