MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

HONEYWELL

TC-OAV081

EIGHT CHANNEL ANALOG OUTPUT MODULE

Used with the applicable Honeywell Series C I O configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Official Honeywell document: TC-OAV081.pdf

Technical Information

Honeywell

Experion LS I/O Specifications and Technical Data



EP03-110-400
Release 400
February 2012, Version 2

TC-OAV081, TK-OAV081

Table 6-12 Analog Output, 8-Point, Current/Voltage Module

Parameter	Specification
Number of Points	8 channels
Voltage Output Range Current Output Range	±10.4 V 0 to 21 mA
Voltage Resolution Current Resolution	320 μV per count 650 ηA per count
Output Overvoltage Protection	24 VAC/VDC continuous at room temperature
Open Short Circuit Protection	Electronically current limited to 21 mA or less
Drive Capability	>2000 Ω (Voltage) 0-750 Ω (Current)
Calibrated Accuracy @ 25°C	Better than 0.05% of range From 4 to 21 ma (Current) From –10.4V to +10.4V(Voltage)
RFI Immunity	Error of less than 2.0% of range at 10 V/m, 27 to 1000 MHz
Module Update Rate for All Channels	25 ms
Output Settling Time	Less than 2 ms to 95% of final value with resistive loads
Output Offset Drift with Temperature	50 μV/°C typical (voltage) 100 nA/°C typical (current)
Output Gain Drift with Temperature	25 ppm/°C maximum (voltage) 50 ppm/°C maximum (current)
Module Error Over Full Temp. Range	0.15% of range(Voltage) 0.3% of range (Current)
Isolation Voltage User to system	 100% Tested at 2550VDC for 1s
Power Dissipation	6.9 W max
Backplane Current	See Module Power Consumption Data, page 46.
Connection Terminal Blocks	TC-TBNH, 20-position terminal block

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