

MANUFACTURER-SOURCE TECHNICAL REFERENCE

Honeywell TC-OAV081

Product Reference

eight-channel non-isolated analog output module

DOCUMENT SCOPE

Apter Power product reference prepared from product-specific Honeywell technical information. Confirm the complete product identity and installed-system requirements before use. No product photograph is included.

Product / lookup identity	Honeywell TC-OAV081
Reference number	TC-OAV081
Document basis	Honeywell technical documents listed on page 3



Product page

<https://www.apterpower.com/Honeywell/tc-oav081>
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Product role and published parameters

WHAT IT IS, WHAT IT DOES, AND WHERE IT FITS

Honeywell TC-OAV081 is an eight-channel non-isolated analog output module supporting voltage and current output applications. Its primary hardware function is eight-channel non-isolated analog output module. System context: eight-channel non-isolated analog output module.

Technical parameter	Technical value
Output channels	8
Voltage range	+/-10.4 V
Current range	0-21 mA
Voltage resolution	320 microvolts per count
Current resolution	650 nA per count
Voltage load	>2000 ohms
Current load	0-750 ohms

System function and signal path

01	System Inputs: eight-channel non-isolated analog output module
02	Processing: Honeywell TC-OAV081 is an eight-channel non-isolated analog output module supporting voltage and current output applications.

Applications, answers, and official sources

1 TC-OAV081 installed-base replacement: Supports like-for-like maintenance of the documented eight-channel non-isolated analog output module.

2 TC-OAV081 compatibility review: Checks the host hardware, slot or mounting position, companion assembly, cable and revision before replacement.

3 TC-OAV081 installation planning: Defines the required isolation, ESD, terminal, wiring and configuration checks before field work.

4 TC-OAV081 commissioning: Supports controlled power, channel, communication, diagnostic and process-response checks after installation.

Frequently asked questions

Which output service is TC-OAV081 intended for?	TC-OAV081 is intended for eight-channel non-isolated analog output module service with the channel and signal limits listed on this page.
How should an output load be matched to TC-OAV081?	Confirm the load voltage, current, resistance, field supply and protection are within the documented limits for TC-OAV081.
What commissioning test is appropriate for TC-OAV081?	Exercise one TC-OAV081 channel at a time under an approved test procedure and verify the field device, feedback and fail-state response.
What output channels value applies to TC-OAV081?	For TC-OAV081, the listed output channels value is 8. Confirm the same marking and configuration on the installed unit before work.
What voltage range value applies to TC-OAV081?	For TC-OAV081, the listed voltage range value is ± 10.4 V. Confirm the same marking and configuration on the installed unit before work.
What current range value applies to TC-OAV081?	For TC-OAV081, the listed current range value is 0–21 mA. Confirm the same marking and configuration on the installed unit before work.

Official Honeywell sources

Honeywell 2023 System HINTS

https://process.honeywell.com/content/dam/process/en/documents/document-lists/doc_list_hints/2023/2023-January-System%20HINTS.pdf