

Installation Identity and Scope

Honeywell TK-OAV081 is a coated eight-point non-isolated analog output module for Series A I/O used with C200 and C200E control hardware. It drives configured analog field outputs from the Experion control strategy through the approved chassis and wiring arrangement.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	TK-OAV081
Manufacturer	Honeywell
Hardware type	Analog Output Module
System family	Series A I/O
Official source	November 2020 System HINTS, Series A/C200 model table, page 5

CONTROLLED ENGINEERING COPY

Because the eight output points are non-isolated, preserve the documented common-reference and grounding arrangement. Record slot, channel assignments and final-element safe states, then verify each commanded output and process response under controlled conditions.

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TK-OAV081

Pre-Installation Plan

NO.	REQUIRED ACTION
1	Verify the exact TK-OAV081 marking and coated-module identity.
2	Place the associated controller, process and final elements in approved safe states.
3	Record the Series A chassis slot and all eight output assignments before removal.
4	Label output, common, shield and grounding conductors before disturbing the wiring.
5	Preserve the documented common-reference arrangement because the channels are non-isolated.

Matched Hardware

CONTROL ITEM	REQUIRED RECORD
Identity	TK-OAV081
Physical interface	Documented Series A chassis and keyed slot
Companion check	Approved 8-point analog output field termination
Configuration	Saved channel mapping, scaling and control-strategy configuration
Functional proof	Every enabled analog output, module status and control response

Related Honeywell Products

MODEL	APTER POWER PAGE
Honeywell MC-PLAM02-51304362-150	View Honeywell MC-PLAM02-51304362-150
Honeywell TC-IAH161	View Honeywell TC-IAH161
Honeywell TK-FPDXX2	View Honeywell TK-FPDXX2
Honeywell TK-FXX102	View Honeywell TK-FXX102
Honeywell TK-PPD011	View Honeywell TK-PPD011

Wiring and Interface Checks

CHECK	MODEL-SPECIFIC REQUIREMENT
Identity	Record Honeywell TK-OAV081 and coated-module marking exactly.
Chassis and slot	Confirm the documented Series A chassis, slot and keyed interface.
Channel map	Preserve all 8 configured analog output assignments.
Field wiring	Label signals, commons, shields and grounding before disconnection.
Configuration	Restore saved scaling, direction, alarms and strategy references.
Functional proof	Test every enabled analog output under controlled conditions.

CONFIGURATION BOUNDARY

Because the eight output points are non-isolated, preserve the documented common-reference and grounding arrangement. Record slot, channel assignments and final-element safe states, then verify each commanded output and process response under controlled conditions.

Expected Technical Values

PARAMETER	VALUE
Complete model	TK-OAV081
Module type	Analog output module
Output points	8
Channel isolation	Non-isolated

Related Honeywell Products

MODEL	APTER POWER PAGE
Honeywell FC-TSDI-1624	View Honeywell FC-TSDI-1624
Honeywell FC-IOTA-R24-51306505-175	View Honeywell FC-IOTA-R24-51306505-175

Commissioning and Acceptance

TEST	ACCEPTANCE CONDITION
Identity	Exact model, coating and Series A slot agree with the engineering record.
Configuration	All 8 channel assignments and scaling values are restored.
Electrical check	Field signals, commons, shields and grounding match the approved topology.
Control response	Every enabled analog output and associated strategy response is verified.

Model-Specific Questions

QUESTION	ENGINEERING ANSWER
How many analog outputs are provided?	TK-OAV081 is identified by Honeywell as an eight-point analog output module.
Are the output points isolated from one another?	No. The official model description identifies TK-OAV081 as a non-isolated analog output module.
What distinguishes this TK version?	The TK-OAV081 entry is the coated version intended for the documented Series A I/O hardware arrangement.
Which control platform is associated with the module?	It belongs to the Series A I/O family used with C200 and C200E control hardware in Experion PKS.

Related Honeywell Products

MODEL	APTER POWER PAGE
Honeywell FC-MCAR-02	View Honeywell FC-MCAR-02
Honeywell FC-PDB-0824P	View Honeywell FC-PDB-0824P
Honeywell FC-PSU-240516-V1-1	View Honeywell FC-PSU-240516-V1-1
Honeywell FC-PSU-UNI2450U-C2-A0V1-0	View Honeywell FC-PSU-UNI2450U-C2-A0V1-0
Honeywell FC-QPP-0002	View Honeywell FC-QPP-0002

FAQ, Source and Controlled Release

QUESTION	ENGINEERING ANSWER
Why must common and grounding conductors be recorded?	The channels are non-isolated, so the approved common-reference, shield and grounding topology must be preserved during replacement.
What should be secured before removal?	Record the slot, eight output assignments, channel scaling, safe states and every final-element conductor before placing the process in maintenance.
What migration path applies to the host system?	Honeywell lists C300 or UOC as the technology-upgrade path for the phased-out C200/C200E platform.
How should return to service be accepted?	Module status must be healthy and each enabled channel must reproduce its approved commanded output and final-element response under controlled testing.

MANUFACTURER SOURCE RECORDS

Honeywell System HINTS - November 2020 System HINTS, Series A/C200 model table, page 5
C200/C200E Product Page - Honeywell Process Solutions official product page, C200/C200E overview and lifecycle information

Controlled Release Summary

RELEASE ITEM	REQUIRED EVIDENCE
Identity	TK-OAV081 recorded
Interface	Connections and companion hardware verified
Configuration	Installed values agree with approved record
Functional proof	Controlled test completed without unexplained fault

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