

TK-OAV081

Analog Output Module

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.

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
Complete model	TK-OAV081
Product role	Analog Output Module
System family	Series A I/O
Source record	November 2020 System HINTS, Series A/C200 model table, page 5

DOCUMENT SCOPE

Model identity, official technical data, model-specific applications, precautions, FAQ and controlled acceptance records.

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TK-OAV081

Technical Specifications

PARAMETER	VERIFIED VALUE
Complete model	TK-OAV081
Module type	Analog output module
Output points	8
Channel isolation	Non-isolated
Environmental version	Coated
I/O family	Series A I/O
Controller platform	C200 / C200E
Control environment	Experion PKS
Lifecycle context	C200/C200E platform phased out; C300 or UOC migration path

ENGINEERING 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.

System Role and Common Applications

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.

FUNCTION 1
Eight configured analog output points

FUNCTION 2
Non-isolated channel architecture

FUNCTION 3
Coated Series A module construction

FUNCTION 4
C200 and C200E control integration

APPLICATION	ENGINEERING CONTEXT
Analog final-element command	Provides eight configured output points for approved valves, positioners or other analog final elements.
Series A chassis maintenance	Maintains the documented coated analog-output position in a C200 or C200E installation.
Coordinated control output	Applies Experion control-strategy commands through the verified channel scaling and common-reference arrangement.
Migration baseline capture	Preserves output assignments, safe states and command scaling for a controlled C200-to-C300 or UOC migration.

ACCEPTANCE DUTY
Confirm identity, interface, companion hardware, configured values and controlled functional response before release.

Engineering Precautions and FAQ

NO.	PRECAUTION
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.
6	Use ESD controls and inspect the backplane and keyed module interfaces.
7	Restore channel scaling and final-element direction before enabling closed-loop control.
8	Stroke or simulate each enabled output and verify commanded value, feedback and safe response.

QUESTION	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.

FAQ, Related Products and Official Sources

QUESTION	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.

MODEL	APTER POWER PAGE
Honeywell 8C-PAINA1-51454470-175	View Honeywell 8C-PAINA1-51454470-175
Honeywell 8C-PDISA1-51454471-276	View Honeywell 8C-PDISA1-51454471-276
Honeywell CC-PCNT02-51454551-275	View Honeywell CC-PCNT02-51454551-275
Honeywell CC-PCNT05-51308592-176	View Honeywell CC-PCNT05-51308592-176
Honeywell CC-PPIX01-51410089-175	View Honeywell CC-PPIX01-51410089-175
Honeywell CC-PSV201-51454123-175	View Honeywell CC-PSV201-51454123-175
Honeywell CC-PUIO31	View Honeywell CC-PUIO31
Honeywell CC-TSV211-51306665-175	View Honeywell CC-TSV211-51306665-175

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

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