

INDUSTRIAL AUTOMATION PRODUCT

TC-HAO081

Eight-Point HART Analog Output Module

Honeywell TC-HAO081 is an eight-point CIOM-A HART analog output module. It sends analog control signals and HART communication to smart final elements in a C200 system.

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	Experion C200 ControlNet I/O
Part number	TC-HAO081
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



TC-HAO081

2

Technical Specifications

Technical values below are limited to the named Honeywell product record.

PARAMETER	TECHNICAL VALUE
Output points	8
Signal function	HART analog output
Module family	CIOM-A

APTER POWER

3

System Role and Architecture

Honeywell TC-HAO081 is an eight-point CIOM-A HART analog output module. It sends analog control signals and HART communication to smart final elements in a C200 system.

FUNCTION 1

Generates HART-enabled analog commands

FUNCTION 2

Carries analog commands and HART data

FUNCTION 3

Fits a C200 I/O chassis

FUNCTION 4

Interfaces smart final elements

Matched system components

- C200 I/O chassis
- ControlNet I/O adapter
- HART field wiring
- Smart valve positioner

APTER POWER

4

Applications and Engineering Context

HART valve positioning

Generates HART-enabled analog commands

Smart actuator diagnostics

Carries analog commands and HART data

Drive reference control

Fits a C200 I/O chassis

C200 output-loop modernization

Interfaces smart final elements

TECHNICAL NOTE

Secure the process output, preserve channel polarity and HART addressing, then test analog stroke and digital device communication independently.

APTEK

5 Engineering Precautions

- 1 Verify the complete TC-HAO081 marking and the assigned Experion C200 ControlNet I/O position before field work.
- 2 Isolate the applicable power, network and field energy before disconnecting TC-HAO081.
- 3 Use ESD controls and protect the keyed connectors of TC-HAO081 during handling.
- 4 Record the installed wiring, jumpers, node or channel assignment before replacement.
- 5 Confirm C200 I/O chassis and ControlNet I/O adapter against the approved system configuration.
- 6 Restore TC-HAO081 under controlled conditions and review the product-specific diagnostics.
- 7 Complete a functional test for hart valve positioning before production release.

MANUFACTURER SOURCE RECORD

Honeywell System HINTS November 2020

C200 hardware list

APTER POWER SALES TEAM

WHATSAPP / PHONE	+86 180 3023 5313
EMAIL	sales13@apterpower.com
WEBSITE	www.apterpower.com



TC-HAO081