

INDUSTRIAL AUTOMATION PRODUCT

TC-IDA161

Sixteen-Point 120 Vac Digital Input Module

Honeywell TC-IDA161 is a 16-point 120 Vac digital input module for C200 ControlNet I/O. It converts AC field states into controller input indications.

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	Experion C200 ControlNet I/O
Part number	TC-IDA161
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

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TC-IDA161

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Technical Specifications

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

PARAMETER	TECHNICAL VALUE
Input points	16
Input voltage	120 Vac
Signal type	AC digital input

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System Role and Architecture

Honeywell TC-IDA161 is a 16-point 120 Vac digital input module for C200 ControlNet I/O. It converts AC field states into controller input indications.

FUNCTION 1

Acquires powered AC input states

FUNCTION 2

Transfers discrete status through the C200 I/O network

FUNCTION 3

Fits a ControlNet I/O chassis

FUNCTION 4

Monitors powered field contacts

Matched system components

- C200 I/O chassis
- ControlNet adapter
- 120 Vac input supply
- Powered status contacts

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Applications and Engineering Context

Motor starter feedback

Acquires powered AC input states

AC limit-switch monitoring

Transfers discrete status through the C200 I/O network

Breaker status inputs

Fits a ControlNet I/O chassis

Package equipment alarms

Monitors powered field contacts

TECHNICAL NOTE

Isolate the field source and verify commons and channel identity before wiring, then prove each input indication at the controller.

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5 Engineering Precautions

- 1 Verify the complete TC-IDA161 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-IDA161.
- 3 Use ESD controls and protect the keyed connectors of TC-IDA161 during handling.
- 4 Record the installed wiring, jumpers, node or channel assignment before replacement.
- 5 Confirm C200 I/O chassis and ControlNet adapter against the approved system configuration.
- 6 Restore TC-IDA161 under controlled conditions and review the product-specific diagnostics.
- 7 Complete a functional test for motor starter feedback before production release.

MANUFACTURER SOURCE RECORD

Honeywell System HINTS November 2020

C200 hardware list

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