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.

PRODUCT SNAPSHOT

BRAND	Honeywell
FAMILY	Experion C200 ControlNet I/O
PART	TC-IDA161
ORIGIN / HS	USA / 8537101190

APTER POWER SALES TEAM

WHATSAPP / PHONE
+86 180 3023 5313

EMAIL
sales13@apterpower.com

WEBSITE
www.apterpower.com

TC-IDA161

PRODUCT OVERVIEW

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.

1. Acquires powered AC input states
2. Transfers discrete status through the C200 I/O network
3. Fits a ControlNet I/O chassis
4. Monitors powered field contacts

SYSTEM COMPONENTS

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

TECHNICAL DATA

PARAMETER	VALUE
Input points	16
Input voltage	120 Vac

PARAMETER	VALUE
Signal type	AC digital input

TECHNICAL NOTE

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

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

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

PRODUCT 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.

ENGINEER FAQ

Q1 Which C200 I/O chassis identity must be verified before fitting the TC-IDA161 Sixteen-Point 120 Vac Digital Input Module?

Match the complete TC-IDA161 marking, assigned Experion C200 ControlNet I/O position and installed C200 I/O chassis before work.

Q2 How should ControlNet adapter be isolated before disconnecting the TC-IDA161 Sixteen-Point 120 Vac Digital Input Module?

Place the affected process in its approved maintenance state, isolate applicable energy and prove ControlNet adapter safe before disconnection.

Q3 What as-found wiring record is required for the TC-IDA161 Sixteen-Point 120 Vac Digital Input Module in Motor starter feedback?

Record terminal identity, polarity, shields, jumpers, cable tags and the as-found diagnostic state for TC-IDA161.

Q4 Which Experion C200 ControlNet I/O configuration must be checked when commissioning the TC-IDA161 Sixteen-Point 120 Vac Digital Input Module?

Verify the assigned channel, slot, node or interface and compare it with the approved Experion C200 ControlNet I/O configuration before enabling TC-IDA161.

Q5 How can the TC-IDA161 Sixteen-Point 120 Vac Digital Input Module be function-tested for AC limit-switch monitoring without disturbing the process?

Use a controlled stimulus or limited command, observe the expected system indication and confirm the intended response while normal interlocks remain effective.

Q6 Which diagnostics should be reviewed if the TC-IDA161 Sixteen-Point 120 Vac Digital Input Module stops performing its assigned system function?

Check seating, the matched C200 I/O chassis, the condition of ControlNet adapter and the model-specific diagnostics before replacing more hardware.

Q7 Can the TC-IDA161 Sixteen-Point 120 Vac Digital Input Module used for Breaker status inputs be transferred to another Experion C200 ControlNet I/O position without engineering review?

No. Confirm the hardware execution, connector scheme and approved Experion C200 ControlNet I/O configuration before transferring TC-IDA161 to a different duty.

Q8 What evidence should be retained after the TC-IDA161 Sixteen-Point 120 Vac Digital Input Module returns to Package equipment alarms service?

Retain the physical identification, as-left wiring or configuration, final diagnostics and controlled functional-test result for TC-IDA161.

SOURCE Honeywell System HINTS November 2020 | C200 hardware list

+86 180 3023 5313 | sales13@apterpower.com | www.apterpower.com