

CC-TDIL11

Redundant Thirty-Two-Channel 24 Vdc Digital Input IOTA

Honeywell CC-TDIL11 is a redundant 32-channel 24 Vdc digital-input IOTA for Series C I/O. It terminates discrete field states for paired standard or sequence-of-events input modules.

PRODUCT SNAPSHOT

BRAND

Honeywell

FAMILY

Experion Series C I/O

PART

51308388-175

ORIGIN / HS

USA / 8537101190

APTER POWER SALES TEAM

WHATSAPP / PHONE

+86 180 3023 5313

EMAIL

sales13@apterpower.com

WEBSITE

www.apterpower.com



CC-TDIL11

PRODUCT OVERVIEW

Honeywell CC-TDIL11 is a redundant 32-channel 24 Vdc digital-input IOTA for Series C I/O. It terminates discrete field states for paired standard or sequence-of-events input modules.

1

Terminates thirty-two 24 Vdc field states

2

Supports redundant Series C digital-input modules

3

Optically isolates discrete circuits

4

Provides one field interface for the paired input processors

SYSTEM COMPONENTS

Series C carrier

Paired CC-PDIL01 or CC-PDIS01 modules

24 Vdc field supply

Discrete sensor and contact wiring

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
CC-TAID11	Series C differential analog-input IOTA	Open product page
CC-MCAR01	Experion Series C carrier assembly	Open product page
DC-TFB412	Redundant Series C FIM IOTA	Open product page
DC-TCF901	Series C Mark II Control Firewall IOTA	Open product page

TECHNICAL DATA

PARAMETER	VALUE
Input channels	32
Nominal input	24 Vdc
Input range	18 to 30 Vdc
Redundancy	Supported
Isolation	1500 Vac rms; +/-1500 Vdc
Isolation method	Optical

PARAMETER	VALUE
On threshold	13 Vdc; 3 mA minimum
Off threshold	5 Vdc; 1.2 mA maximum
Input resistance	4.2 kohm
Input delay	5 ms +/-20%
Compatible modules	CC-PDIL01; CC-PDIS01
IOTA size	12 inch

TECHNICAL NOTE

Confirm the installed module pair and channel assignment, preserve field polarity and perform redundant-module plus per-channel transition tests before restoring logic permissives.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Redundant process permissive inputs

Terminates thirty-two 24 Vdc field states

Sequence-of-events contact capture

Supports redundant Series C digital-input modules

Critical equipment status monitoring

Optically isolates discrete circuits

Series C input cabinet replacement

Provides one field interface for the paired input processors

PRODUCT PRECAUTIONS

- 1 Verify the complete CC-TDIL11 marking and its assigned Experion Series C I/O position before work.
- 2 Isolate the energy associated with Series C carrier before disconnecting CC-TDIL11.
- 3 Protect the CC-TDIL11 connectors and electronic assembly using approved ESD controls.
- 4 Record the as-found Paired CC-PDIL01 or CC-PDIS01 modules connections and configured assignment before replacement.
- 5 Confirm 24 Vdc field supply matches the approved installation record for CC-TDIL11.
- 6 Restore CC-TDIL11 under controlled conditions and review its model-specific diagnostics.
- 7 Complete a documented functional test for redundant process permissive inputs before release.

ENGINEER FAQ

Q1 Which technical value is especially important during CC-TDIL11 commissioning?

Verify Input delay is 5 ms +/-20% and use the named manufacturer procedure for the controlled functional test.

Q2 What should be checked if CC-TDIL11 does not support sequence-of-events contact capture after installation?

Check seating, Paired CC-PDIL01 or CC-PDIS01 modules, 24 Vdc field supply, field energy and the model-specific diagnostics before replacing additional hardware.

Q3 What evidence should be retained after CC-TDIL11 returns to service?

Retain the full model identity, as-left connections, configuration, diagnostic result and the final controlled test record for redundant process permissive inputs.

Q4 How is CC-TDIL11 identified before installation in a Experion Series C I/O cabinet?

Match the full CC-TDIL11 marking and part number 51308388-175 to the assigned position and installed Series C carrier.

Q5 Which companion hardware must be checked when replacing CC-TDIL11?

Verify Series C carrier, Paired CC-PDIL01 or CC-PDIS01 modules and 24 Vdc field supply against the approved cabinet and project record before fitting the Redundant Thirty-Two-Channel 24 Vdc Digital Input IOTA.

Q6 What wiring information should be recorded before removing CC-TDIL11?

Record terminal identifiers, polarity or phase, shields, cable tags and the as-found channel or port assignment for CC-TDIL11.

Q7 How should engineers validate CC-TDIL11 after configuration?

Restore the documented Experion Series C I/O assignment, review diagnostics and run a controlled test of its role: terminates thirty-two 24 vdc field states.

Q8 Can CC-TDIL11 be moved to a different slot or duty without review?

No. Confirm keying, companion hardware and the approved configuration before assigning CC-TDIL11 to another position or function.