

INDUSTRIAL AUTOMATION PRODUCT

CC-GDIL01

Galvanically Isolated Digital Input Module

Honeywell CC-GDIL01 is a 32-channel galvanically isolated digital-input module for acquiring 24 Vdc field states in Series C systems.

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	Experion Series C I/O
Part number	51306317-175
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

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CC-GDIL01

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Technical Specifications

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

PARAMETER	TECHNICAL VALUE
Input channels	32
Input isolation	Galvanic
Signal type	Digital input
Input supply	24 Vdc field circuits
Module family	Series C

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System Role and Architecture

Honeywell CC-GDIL01 is a 32-channel galvanically isolated digital-input module for acquiring 24 Vdc field states in Series C systems.

FUNCTION 1

Acquires thirty-two discrete field states

FUNCTION 2

Provides galvanic channel isolation

FUNCTION 3

Filters field contact transitions

FUNCTION 4

Reports digital-input diagnostics

Matched system components

- Matched digital-input IOTA
- 24 Vdc field supply
- Series C carrier
- Dry contacts or powered status devices

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Applications and Engineering Context

Motor running feedback

Acquires thirty-two discrete field states

Valve limit-switch inputs

Provides galvanic channel isolation

Package-unit alarm contacts

Filters field contact transitions

Electrical switchgear status

Reports digital-input diagnostics

TECHNICAL NOTE

Verify input supply reference, field contact wetting arrangement and channel isolation before testing state changes from the process device.

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Engineering Precautions

1

Verify the complete CC-GDIL01 marking and its assigned Experion Series C I/O position before work.

2

Isolate the applicable power and field energy before disconnecting CC-GDIL01.

3

Protect CC-GDIL01 connectors and electronic assemblies with approved ESD controls.

4

Record the installed wiring, channel assignment and configuration before replacement.

5

Match Matched digital-input IOTA and 24 Vdc field supply to the documented system arrangement.

6

Commission CC-GDIL01 with controlled status, signal and diagnostic checks.

7

Retain the final motor running feedback functional-test result in the maintenance record.

MANUFACTURER SOURCE RECORD

Honeywell Series C I/O Specification

EP03-490-520 V10

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