

CC-PDIH01

High-Voltage Digital Input Module

CONTROLLED ENGINEERING COPY

Identify the exact CC-TDI IOTA and field voltage before work; preserve input commons and confirm every pickup/dropout state at the documented threshold.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	CC-PDIH01
Manufacturer part	CC-PDIH01
Hardware type	32
System family	Experion Series-C I/O



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01 PRE-INSTALLATION PLAN

- 1

Verify the complete CC-PDIH01 marking and its assigned high-voltage digital-input position before work.
- 2

Place the connected process and control strategy in the approved maintenance state.
- 3

Isolate the applicable cabinet supply and high-voltage discrete field energy before disconnecting conductors.
- 4

Record terminal numbers, channel assignments, polarity, shields and configured ranges before removal.
- 5

Use ESD controls and protect the backplane connector, terminal hardware and coated electronics.

MATCHED HARDWARE

- selected CC-TDI high-voltage IOTA
- AC or DC discrete field circuits
- Series-C carrier
- Experion input configuration

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	CC-PDIH01 / CC-PDIH01 recorded
Physical interface	selected CC-TDI high-voltage IOTA
Companion check	AC or DC discrete field circuits
Functional proof	Scans thirty-two high-voltage digital inputs
Application test	Motor-starter status monitoring

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Input channels	32
Input isolation	1500 V AC rms or +/-1500 V DC
Isolation method	Optical
Supported nominal inputs	120 V AC; 125 V DC; 240 V AC
120 V AC input range	90 to 132 V AC
125 V DC input range	100 to 138 V DC
240 V AC input range	180 to 264 V AC
AC frequency	47 to 63 Hz
CC-TDI151 pickup/dropout	90 V AC / 20 V AC
CC-TDI151 delay	25 ms
CC-TDI110/120 pickup	90 V AC / 100 V DC
CC-TDI110/120 dropout	25 V AC / 25 V DC
CC-TDI110/120 delay	25 ms AC / 10 ms DC
CC-TDI220/230 pickup/dropout	180 V AC / 50 V AC

FIELD NOTE

Identify the exact CC-TDI IOTA and field voltage before work; preserve input commons and confirm every pickup/dropout state at the documented threshold.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	CC-PDIH01 / CC-PDIH01 recorded
Physical interface	selected CC-TDI high-voltage IOTA
Companion check	AC or DC discrete field circuits
Functional proof	Scans thirty-two high-voltage digital inputs
Application test	Motor-starter status monitoring

04 RETURN-TO-SERVICE RECORD

- ☐
- Confirm the installed selected CC-TDI IOTA and carrier arrangement against the approved project.
- ☐
- Restore power in a controlled sequence and clear only diagnostics created by the maintenance activity.
- ☐
- Complete controlled pickup, dropout and channel-state tests and retain the measured result before returning the channel to automatic service.
- ☐
- Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	CC-PDIH01
INSTALLED POSITION	Documented Experion Series-C I/O position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
FS-IOBUS-CPIO	Related industrial automation product	View FS-IOBUS-CPIO page
DWR06	Related industrial automation product	View DWR06 page
CAN-ARM-MSC-2558992-1	Related industrial automation product	View CAN-ARM-MSC-2558992-1 page
SSD-D08G-4500-51306818-100	Related industrial automation product	View SSD-D08G-4500-51306818-100 page
CC-TDI220-51308394-275	Related industrial automation product	View CC-TDI220-51308394-275 page
51403578-100	Related industrial automation product	View 51403578-100 page
FC-PSU-UNI2450U-C2-A0V1-0	Related industrial automation product	View FC-PSU-UNI2450U-C2-A0V1-0 page
DCOM-232-485	Related industrial automation product	View DCOM-232-485 page

SOURCE IDENTIFIERS

Honeywell Experion Series-C I/O Specification
EP03-490-520, Release 520, Version 1.5

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