

MC-TAIH22

Enhanced High-Level Analog Input FTA

Honeywell MC-TAIH22 is a coated 16-channel enhanced high-level analog-input FTA for connecting process transmitters to PM I/O.

PRODUCT SNAPSHOT

BRAND

Honeywell

FAMILY

Experion PM I/O

PART

51204170-250

ORIGIN / HS

USA / 8537101190

APTER POWER SALES TEAM

WHATSAPP / PHONE

+86 180 3023 5313

EMAIL

sales13@apterpower.com

WEBSITE

www.apterpower.com



MC-TAIH22

PRODUCT OVERVIEW

Honeywell MC-TAIH22 is a coated 16-channel enhanced high-level analog-input FTA for connecting process transmitters to PM I/O.

1

Terminates sixteen high-level analog inputs

2

Accepts smart-transmitter field circuits

3

Uses compression field terminals

4

Interfaces the enhanced analog-input processor

SYSTEM COMPONENTS

Enhanced analog-input processor

PM I/O cable assembly

Two-wire process transmitters

Size-B FTA mounting

TECHNICAL DATA

PARAMETER	VALUE
Input channels	16
Terminal type	Compression
FTA size	B

PARAMETER	VALUE
Input functions	High-level analog; smart transmitter input
Coating	Conformal

APTER POWER

TECHNICAL NOTE

Maintain loop polarity, shield treatment and the documented processor-to-FTA cable assignment when commissioning the sixteen input channels.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Pressure transmitter marshalling

Terminates sixteen high-level analog inputs

Temperature transmitter inputs

Accepts smart-transmitter field circuits

Flow measurement cabinets

Uses compression field terminals

Process-unit analog acquisition

Interfaces the enhanced analog-input processor

PRODUCT PRECAUTIONS

- 1 Verify the complete MC-TAIH22 marking and its assigned Experion PM I/O position before work.
- 2 Isolate the applicable power and field energy before disconnecting MC-TAIH22.
- 3 Protect MC-TAIH22 connectors and electronic assemblies with approved ESD controls.
- 4 Record the installed wiring, channel assignment and configuration before replacement.
- 5 Match Enhanced analog-input processor and PM I/O cable assembly to the documented system arrangement.
- 6 Commission MC-TAIH22 with controlled status, signal and diagnostic checks.
- 7 Retain the final pressure transmitter marshalling functional-test result in the maintenance record.

ENGINEER FAQ

Q1 Does MC-TAIH22 match Enhanced analog-input processor in a Pressure transmitter marshalling installation?

Verify the complete MC-TAIH22 marking, the documented Experion PM I/O position and the installed Enhanced analog-input processor before fitting the assembly.

Q2 How should MC-TAIH22 be wired when it must terminates sixteen high-level analog inputs?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for MC-TAIH22; then continuity-test the affected path.

Q3 Which Experion PM I/O records should be captured before removing MC-TAIH22?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with MC-TAIH22 before disconnection.

Q4 What controlled test confirms that MC-TAIH22 can accepts smart-transmitter field circuits?

Apply the approved field or simulated stimulus, observe the Experion PM I/O indication and confirm the intended response without bypassing the normal interlocks.

Q5 Which PM I/O cable assembly condition should be checked when MC-TAIH22 reports an abnormal state?

Check the PM I/O cable assembly supply, seating and connection first, then compare channel diagnostics with the recorded MC-TAIH22 baseline.

Q6 Can MC-TAIH22 be moved directly into Temperature transmitter inputs without validating Size-B FTA mounting?

No. Confirm the Size-B FTA mounting, revision, connection scheme and Experion PM I/O configuration before transferring MC-TAIH22 to that duty.

Q7 What maintenance evidence is required after MC-TAIH22 is used for Flow measurement cabinets?

Retain the nameplate record, corrective action, final diagnostics and a controlled flow measurement cabinets functional-test result for MC-TAIH22.

Q8 How should MC-TAIH22 be returned to service in Process-unit analog acquisition?

Restore power under control, verify uses compression field terminals, exercise the intended signal path and release MC-TAIH22 only after the Experion PM I/O remains in its approved operating state.

SOURCE Honeywell Experion Control Hardware Planning Guide | EP-DOC-X175

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