

MC-TSTX03-51309140-175

Field Installation & Verification Workbook

A controlled field-work record for identifying, replacing, reconnecting and verifying the Honeywell Smart Transmitter Interface in its documented HPM system context.

WORK ORDER IDENTITY

MODEL MC-TSTX03-51309140-175

PART NUMBER 51309140-175

INTERFACE Smart Transmitter Interface

TERMINALS Compression terminal

SYSTEM High-Performance Process Manager

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com



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2 Pre-work Identification and Controls

Do not begin disconnection until identity, system path, loop status and the approved maintenance state are recorded. Use the blank evidence column as a field sign-off record.

CONTROL POINT	REQUIRED FIELD EVIDENCE
1 Complete identity	Record MC-TSTX03-51309140-175, 51309140-175 and revision marking.
2 Installed location	Record cabinet, HPM position, FTA assignment and work-order reference.
3 Companion hardware	Confirm associated IOP, HPMM and I/O Link path from approved records.
4 Field terminals	Record terminal numbers, wire labels, polarity, shields and transmitter power.
5 Process state	Place affected loops in the authorized maintenance or bypass condition.
6 Energy controls	Apply isolation, lockout and ESD controls required by the site procedure.
7 Baseline status	Capture indication, communications, diagnostics and alarm state before work.
8 Replacement check	Confirm like-for-like engineering acceptance before fitting the interface.

3 Installation and Reconnection Sequence

1 RECORD Photograph and label the installed terminal arrangement, companion hardware and field wiring.

2 ISOLATE Confirm the authorized process state, field-energy isolation and rack/service conditions.

3 REMOVE Release hardware without loading terminal conductors or damaging connector surfaces.

4 INSPECT Check compression terminals, keying, mating connectors and adjacent field conductors.

5 INSTALL Fit the verified interface in the documented location and secure all mechanical hardware.

6 RECONNECT Restore terminal numbers, polarity, shields, transmitter power and grounding exactly.

7 RESTORE Return power and communications in the controlled sequence defined by the site procedure.

8 VERIFY Complete loop indication, diagnostics, alarms and intended control-response testing.

STOP CONDITION

Stop work if model identity, IOP pairing, HPM path, terminal mapping or area classification cannot be reconciled with the approved system record.

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Functional Verification and Troubleshooting

VERIFICATION POINT	ACCEPTANCE EVIDENCE
Physical inspection	Terminals secure; no conductor strain, exposed copper or connector damage.
Identity review	Complete model, part number and installed HPM position agree with the work record.
Power and status	Restored supply and interface status match the approved service condition.
Communications	Associated IOP/HPMM path reports the expected healthy communication state.
Loop indication	Field stimulus or process value produces stable, reasonable system indication.
Diagnostics	No new interface, terminal, channel or communication diagnostic remains active.
Alarm proof	Affected alarm and operator indication respond under the controlled test plan.
Control response	Intended monitoring or control use is accepted before production release.

IF A RESULT IS ABNORMAL

Return the loop to a safe maintenance state. Recheck seating, terminal mapping, polarity, shields, transmitter power, companion hardware, HPM path and restored configuration. Retain the abnormal result and corrective action in the service record.

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Release Record, Sources and Related Products

HANDOVER CHECKLIST

- ☐ Complete identity and installed location recorded
- ☐ Terminal mapping, polarity, shielding and transmitter power verified
- ☐ Associated IOP, HPMM and I/O Link path accepted
- ☐ Diagnostics, alarms and controlled process response passed

RELATED PRODUCTS ON APTER POWER

MODEL	RELATED SYSTEM ROLE	APTER POWER PRODUCT PAGE
CC-PAIH02 51405038-376	Series C HART analog-input module	Open product page
8C-PAIH51 51454352-175	Series 8 HART analog-input module	Open product page
MC-TAIH02 51304453-150	High-level analog-input FTA	Open product page
MC-TAIH22	Enhanced high-level analog-input FTA	Open product page
MU-TAIH02 51304453-100	High-level analog-input FTA	Open product page
MC-TAIH14 51305887-150	HART high-level analog-input FTA	Open product page
MC-TAIH04 51305900-175	HART high-level analog-input FTA	Open product page
MC-TSTX13 51309142-175	Smart-transmitter field interface	Open product page

MANUFACTURER SOURCE RECORD

Honeywell HPM Planning | Process Manager I/O Installation and Wiring

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