

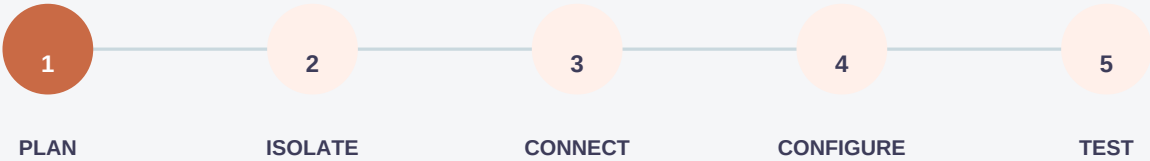
MC-TDOR12 51309148-175

MC-TDOR12 Relay Digital Output FTA

CONTROLLED ENGINEERING COPY

Honeywell MC-TDOR12 51309148-175 is the MC-TDOR12 Relay Digital Output FTA used for field termination of sixteen 120 VAC relay digital outputs in a documented PM/APM/HPM Process Manager I/O installation. Confirm the complete identity and installed system configuration before replacement.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	MC-TDOR12 51309148-175
Manufacturer	Honeywell
System family	PM/APM/HPM Process Manager I/O
Record scope	Installation, application and verification



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01 PRE-INSTALLATION PLAN

- 1

Confirm the complete MC-TDOR12 51309148-175 identity on the hardware and maintenance record.
- 2

Place the affected PM/APM/HPM Process Manager I/O process in the approved maintenance state.
- 3

Record the installed position, connectors, terminals, wiring and configuration before removal.
- 4

Isolate all documented power and field energy and apply ESD controls where required.
- 5

Inspect the replacement identity, revision, interfaces and mating hardware before installation.

MATCHED HARDWARE

- Honeywell MC-TDOR12 51309148-175 with exact visible identity
- Matched PM/APM/HPM Process Manager I/O host
- Documented power, field and communication interfaces
- Approved configuration and acceptance record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	MC-TDOR12 51309148-175 recorded
Physical interface	Installed terminals, ports and signals matched to the as-found record
Configuration	Approved Honeywell hardware and system configuration restored
Functional proof	Controlled test confirms field termination of sixteen 120 VAC relay digital outputs

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Product type	Relay Digital Output Field Termination Assembly
FTA model	MC-TDOR12
Manufacturer item number	51309148-175
Channels	16 relay outputs
Field service	120 VAC relay output
Terminal type	Compression
Coating	Conformally coated
Compliance execution	CE-compliant part

RELATED PRODUCT PAGES

1

Honeywell MC-PAOX03
51309152-175

2

Honeywell MC-TAIH12 51304337-150

3

Honeywell MC-TAOX12
51304335-175

4

Honeywell MU-PAOX03
51304672-100

5

Honeywell MU-TAIH12 51304337-100

6

Honeywell MU-TAOX12
51304335-100

7

Honeywell MU-TAOX12
51304335-125

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Honeywell 51401496-100

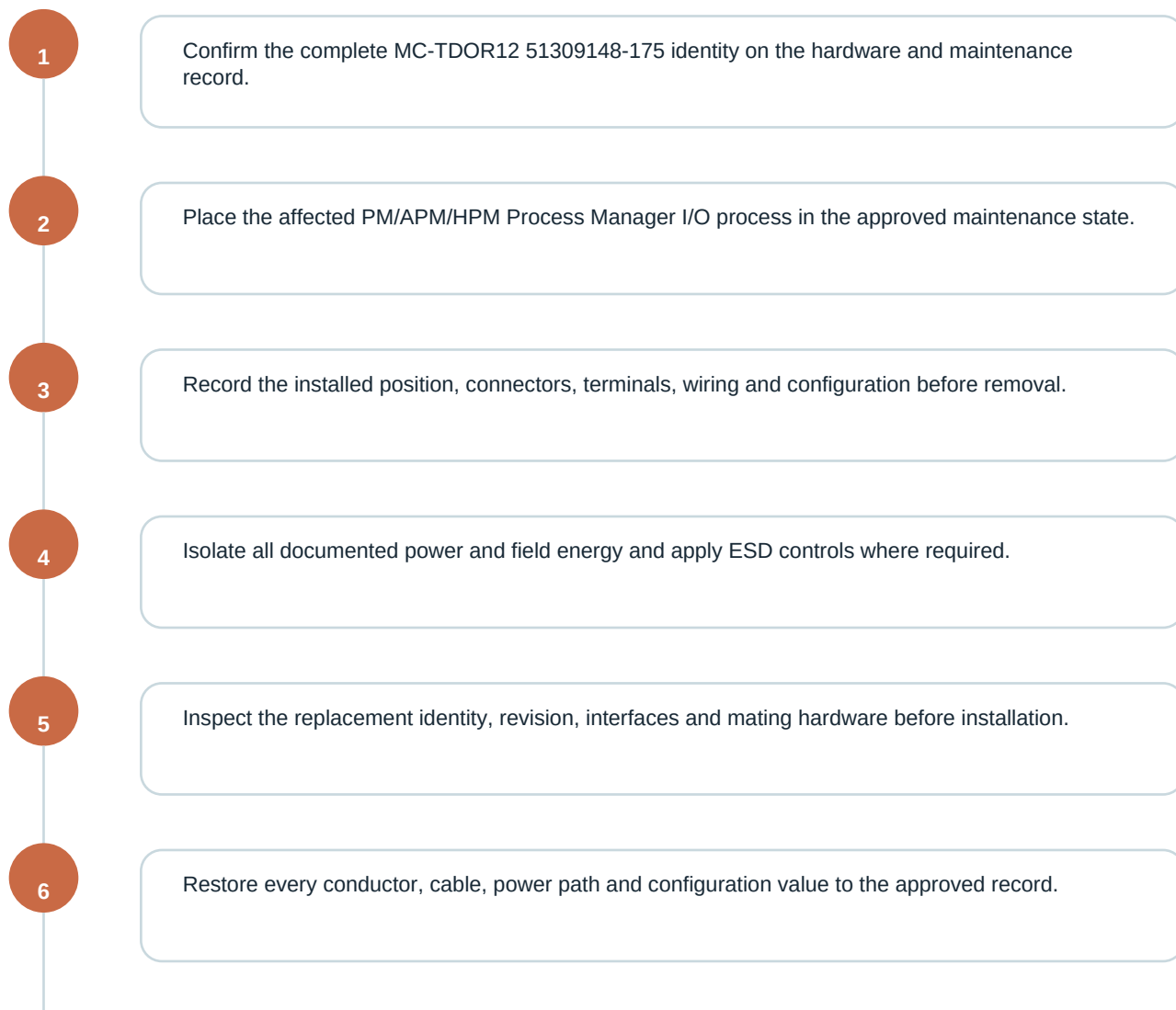
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Honeywell 51401642-150

FIELD NOTE

Confirm MC-TDOR12 51309148-175 and the installed system before release.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	MC-TDOR12 51309148-175
Physical interface	Installed terminals, ports and signals matched to the as-found record
Configuration	Approved Honeywell hardware and system configuration restored
Functional proof	Controlled test confirms field termination of sixteen 120 VAC relay digital outputs

04 RETURN-TO-SERVICE RECORD

- ☐ Inspect the replacement identity, revision, interfaces and mating hardware before installation.
- ☐ Restore every conductor, cable, power path and configuration value to the approved record.
- ☐ Review host, module, channel or network diagnostics after controlled energization.
- ☐ Perform a controlled test that proves field termination of sixteen 120 VAC relay digital outputs before release.

VERIFICATION RECORD

PRODUCT IDENTITY	MC-TDOR12 51309148-175
INSTALLED POSITION	Documented PM/APM/HPM Process Manager I/O position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

FUNCTIONAL ACCEPTANCE CHECKLIST

- ☐ Inspect the replacement identity, revision, interfaces and mating hardware before installation.
- ☐ Restore every conductor, cable, power path and configuration value to the approved record.
- ☐ Review host, module, channel or network diagnostics after controlled energization.
- ☐ Perform a controlled test that proves field termination of sixteen 120 VAC relay digital outputs before release.

SOURCE IDENTIFIERS

Honeywell Experion Control Hardware Planning Guide R301.1 | Honeywell manufacturer publication