

MC-TDOR62

Sixteen-Channel Relay Output FTA

CONTROLLED ENGINEERING COPY

Set each contact-form jumper before energization, apply the required external suppression and verify contact state with field energy isolated before the functional load test.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	MC-TDOR62
Part number	51309150-275
Hardware type	16
System family	TPS Process Manager I/O



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MC-TDOR62

01 PRE-INSTALLATION PLAN

1

Verify the complete MC-TDOR62 marking and its assigned TPS Process Manager I/O position before work.

2

Isolate the energy associated with TPS relay-output processor before disconnecting MC-TDOR62.

3

Protect the MC-TDOR62 connectors and electronic assembly using approved ESD controls.

4

Record the as-found FTA-to-IOP cable connections and configured assignment before replacement.

5

Confirm Protected AC or DC field load matches the approved installation record for MC-TDOR62.

MATCHED HARDWARE

- TPS relay-output processor
- FTA-to-IOP cable
- Protected AC or DC field load
- External field supply

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Relay outputs	16
Contact form	Form A; Form B jumper-selectable
Contact material	Silver alloy
Maximum switched voltage	265 Vac; 140 Vdc
Rated current	2.5 A at 240 Vac; 2 A at 30 Vdc; 0.5 A at 125 Vdc
Minimum switched current	100 mA
Isolation	1500 Vac rms; +/-1500 Vdc
Operate time	10 ms typical; 15 ms maximum
Maximum switching rate	360 cycles/hour
Fuse	3 A, 250 V, slow-blow
Snubber	51 ohm; 0.022 uF
Terminal type	Screw
Coating	Conformal

FIELD NOTE

Set each contact-form jumper before energization, apply the required external suppression and verify contact state with field energy isolated before the functional load test.

03 COMMISSIONING WORKFLOW

1

Confirm MC-TDOR62 and part number 51309150-275 against the installed record.

2

Verify the physical connection to TPS relay-output processor.

3

Apply the documented technical values for relay outputs.

4

Exercise the function: switches isolated process loads through relay contacts.

5

Run a controlled test for motor-starter interposing commands.

6

Record the final state, diagnostics and operator acceptance before release.

04 RETURN-TO-SERVICE RECORD

- ☐ Restore MC-TDOR62 under controlled conditions and review its model-specific diagnostics.
- ☐ Complete a documented functional test for motor-starter interposing commands before release.
- ☐ Confirm the intended process response before normal operation.

VERIFICATION RECORD

TECHNICIAN

DATE

CABINET / POSITION

FINAL DIAGNOSTIC STATE

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
MC-TPIX12	TPS pulse-input field termination assembly	Open product page
MC-TSIM12	TPS serial-interface field termination assembly	Open product page
MC-TAOY25	TPS analog-output field termination assembly	Open product page
MC-TAMR04	TPS low-level analog-input termination assembly	Open product page

SOURCE IDENTIFIERS

Honeywell TPS Process Manager I/O Specification and Technical Data
IO03-684 Rev. 2

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