

INDUSTRIAL AUTOMATION PRODUCT

MC-TDOR12 51309148-175

MC-TDOR12 Relay Digital Output FTA

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.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	PM/APM/HPM Process Manager I/O
Part number	MC-TDOR12 51309148-175
Document status	Controlled product and system reference

DOCUMENT SCOPE

Exact article identity, official technical data, host matching, installation checks, applications, precautions and controlled acceptance evidence.

MODEL-SPECIFIC ENGINEERING NOTE

Install MC-TDOR12 51309148-175 only in its documented PM/APM/HPM Process Manager I/O position. Preserve the exact interfaces, wiring and configuration, then verify diagnostics and field termination of sixteen 120 VAC relay digital outputs under controlled conditions.

System Role and Architecture

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.

FUNCTION 1
Channels: 16 relay outputs

FUNCTION 2
Field service: 120 VAC relay output

FUNCTION 3
Terminal type: Compression

FUNCTION 4
Coating: Conformally coated

RELATED APTER POWER PAGES		
1	Honeywell MC-PAOX03 51309152-175	2
2	Honeywell MC-TAIH12 51304337-150	3
3	Honeywell MC-TAOX12 51304335-175	4
4	Honeywell MU-PAOX03 51304672-100	5
5	Honeywell MU-TAIH12 51304337-100	6
6	Honeywell MU-TAOX12 51304335-100	7
7	Honeywell MU-TAOX12 51304335-125	8
8	Honeywell 51401496-100	9
9	Honeywell 51401642-150	

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	PM/APM/HPM Process Manager I/O
02	Matched PM/APM/HPM Process Manager I/O host and field interface
03	Documented power, signal, communication and grounding connections
04	Approved configuration, diagnostics and acceptance record

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	PM/APM/HPM Process Manager I/O
Interface role	field termination of sixteen 120 VAC relay digital outputs
Field / power context	documented PM/APM/HPM Process Manager I/O installed position
Commissioning evidence	Identity, wiring, configuration, diagnostics and controlled response recorded

INSTALLATION AND CONNECTION CHECKS

- 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.

Technical Specifications

Technical values below are limited to the named product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Product type	Relay Digital Output Field Termination Assembly	Field service	120 VAC relay output
FTA model	MC-TDOR12	Terminal type	Compression
Manufacturer item number	51309148-175	Coating	Conformally coated
Channels	16 relay outputs	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

8 Honeywell 51401496-100

9 Honeywell 51401642-150

ENGINEERING BOUNDARY

Confirm MC-TDOR12 51309148-175, its exact host, installed position, interfaces, configuration, diagnostics and controlled acceptance evidence before release.

PRE-INSTALLATION CHECKS

- 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.

Applications and Engineering Context

MC-TDOR12 Relay Digital Output FTA

Provides field termination of sixteen 120 VAC relay digital outputs in the approved PM/APM/HPM Process Manager I/O architecture.

Installed-system maintenance

Preserves the documented slot, termination, wiring and configuration during replacement.

Controlled commissioning

Restores power and signals in the approved sequence and reviews diagnostics.

Acceptance verification

Confirms the intended channel, network or safety function before release.

TECHNICAL NOTE

Install MC-TDOR12 51309148-175 only in its documented PM/APM/HPM Process Manager I/O position. Preserve the exact interfaces, wiring and configuration, then verify diagnostics and field termination of sixteen 120 VAC relay digital outputs under controlled conditions.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	MC-TDOR12 51309148-175 recorded
Host / carrier	PM/APM/HPM Process Manager I/O
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

IMPORTANT NOTICE

Confirm MC-TDOR12 51309148-175, its exact host, installed position, interfaces, configuration, diagnostics and controlled acceptance evidence before release.

Related Products and Source Record

Brand-qualified Apter Power navigation links are provided for system planning only; manufacturer evidence remains the named source record.

RELATED PRODUCTS ON APTER POWER

1

Honeywell MC-PAOX03 51309152-175

View Honeywell MC-PAOX03 51309152-175 page

2

Honeywell MC-TAIH12 51304337-150

View Honeywell MC-TAIH12 51304337-150 page

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Honeywell MC-TAOX12 51304335-175

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Honeywell MU-PAOX03 51304672-100

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Honeywell MU-TAIH12 51304337-100

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Honeywell MU-TAOX12 51304335-100

View Honeywell MU-TAOX12 51304335-100 page

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Honeywell MU-TAOX12 51304335-125

View Honeywell MU-TAOX12 51304335-125 page

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Honeywell 51401496-100

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Honeywell 51401642-150

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MANUFACTURER SOURCE RECORD

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

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RECOMMENDATION SCOPE

These links support product navigation and comparison. Technical values in this document are sourced only from the manufacturer record above.