

MC-TDOR12 51309148-175

MC-TDOR12 Relay Digital Output FTA

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PRODUCT SNAPSHOT

BRAND
Honeywell

FAMILY
PM/APM/HPM Process Manager I/O

PART
MC-TDOR12 51309148-175

DOCUMENT STATUS
Controlled engineering copy

APTER POWER

WHATSAPP / PHONE

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WEBSITE

www.apterpower.com



PRODUCT OVERVIEW

Honeywell MC-TDOR12 51309148-175 provides field termination of sixteen 120 VAC relay digital outputs in a documented PM/APM/HPM Process Manager I/O installation.

Channels: 16 relay outputs

Field service: 120 VAC relay output

Terminal type: Compression

Coating: Conformally coated

RELATED APTER POWER 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

SYSTEM COMPONENTS

DOCUMENTED COMPONENT	ROLE IN SYSTEM
Proximity probe	Matched extension cable
Proximitior Sensor	AISI 4140 target

ENGINEERING CONTEXT

The component remains matched to its installed host, interface hardware and engineering configuration. Commissioning restores that architecture and verifies the intended function under controlled conditions.

TECHNICAL DATA

PARAMETER	VALUE
Product type	Relay Digital Output Field Termination Assembly
FTA model	MC-TDOR12
Manufacturer item number	51309148-175
Channels	16 relay outputs

PARAMETER	VALUE
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

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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

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.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

MC-TDOR12 Relay Digital Output FTA

Provides field termination of sixteen 120 VAC relay digital outputs in the approved PM/APM/HPM Process

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.

PRODUCT PRECAUTIONS

- 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.
- 6 Restore every conductor, cable, power path and configuration value to the approved record.
- 7 Review host, module, channel or network diagnostics after controlled energization.
- 8 Perform a controlled test that proves field termination of sixteen 120 VAC relay digital outputs before release.

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ENGINEER FAQ

Q1

What load interface does MC-TDOR12 51309148-175 provide?

It provides relay-output field termination for 120 VAC service.

Q2

How many relay channels terminate on MC-TDOR12 51309148-175?

Sixteen relay-output channels terminate on the assembly.

Q3

Are the field connections on MC-TDOR12 51309148-175 screw or compression type?

They are compression terminals.

Q4

Which coating version is MC-TDOR12 51309148-175?

It is conformally coated.

Q5

Is MC-TDOR12 51309148-175 the CE-compliant item?

Yes. The -175 item is the CE execution for this model.

Q6

Why must field power be isolated before working on MC-TDOR12 51309148-175?

Its terminals can carry the documented 120 VAC output circuits.

Q7

What should be recorded before moving wiring from MC-TDOR12 51309148-175?

Record channel numbers, commons, load supplies and each output's normal state.

Q8

Which test completes MC-TDOR12 51309148-175 commissioning?

Exercise every assigned relay output under controlled load conditions and review channel diagnostics.

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SOURCE

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

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