

# MC-TDOR62 51309150-275

## MC-TDOR62 Relay Digital Output FTA

MC-TDOR62 Relay Digital Output FTA

### PRODUCT SNAPSHOT

**BRAND**  
Honeywell

**FAMILY**  
Honeywell PM/APM/HPM Process

**PART**  
MC-TDOR62 51309150-275

**DOCUMENT STATUS**  
Controlled engineering copy

### APTER POWER

#### WHATSAPP / PHONE

+86 180 3023 5313

#### WEBSITE

[www.apterpower.com](http://www.apterpower.com)



# PRODUCT OVERVIEW

Honeywell MC-TDOR62 51309150-275 provides field termination of sixteen relay digital outputs in a documented Honeywell PM/APM/HPM Process Manager I/O installation.

-  Sixteen relay outputs
-  240 VAC or 125 VDC service class
-  Screw-terminal field wiring
-  Conformally coated CE execution

| RELATED APTER POWER PAGES                                                                                           |                                                                                                                     |                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|  General Electric IS420UCSBH1A   |  General Electric DS3800NGDC1B1A |  General Electric DS200QTBAG1ADC |
|  General Electric DS200RTBAG1AHC |  General Electric DS200RTBAG2AGL |  General Electric DS200TBCBG1AAA |
|  General Electric DS200TCDAH1BHE |  General Electric DS200SLCCG3AGH |  General Electric DS200TBQGG1ABB |

## 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 documented host position, field connections and approved engineering configuration. Commissioning restores that architecture and verifies the intended function under controlled conditions.

# TECHNICAL DATA

| PARAMETER                | VALUE                                           | PARAMETER            | VALUE                                                     |
|--------------------------|-------------------------------------------------|----------------------|-----------------------------------------------------------|
| Product type             | Relay digital output Field Termination Assembly | Field terminals      | Screw terminals                                           |
| FTA model                | MC-TDOR62                                       | Coating              | Conformally coated                                        |
| Manufacturer item number | 51309150-275                                    | Compliance execution | CE-compliant documented part                              |
| I/O family               | PM/APM/HPM Process Manager I/O                  | Related non-CE part  | 51304427-250                                              |
| Channels                 | 16 relay digital outputs                        | System role          | FTA connection between relay-output IOP and field         |
| Field rating class       | 240 VAC / 125 VDC relay-output service          | Commissioning scope  | Channel mapping, commons, load isolation, relay state and |

RELATED PRODUCT PAGES

1General Electric IS420UCSBH1A

2General Electric DS3800NGDC1B1A

3General Electric DS200QTBAG1ADC

4General Electric DS200RTBAG1AHC

5General Electric DS200RTBAG2AGL

6General Electric DS200TBCBG1AAA

7General Electric DS200TCDAH1BHE

8General Electric DS200SLCCG3AGH

9General Electric DS200TBQGG1ABB

## TECHNICAL NOTE

Install MC-TDOR62 51309150-275 only in the documented Honeywell PM/APM/HPM Process Manager I/O position and preserve its exact wiring, interfaces and configuration. After controlled energization, verify diagnostics and field termination of sixteen relay digital outputs before release.

# APPLICATIONS & PRECAUTIONS

## COMMON APPLICATIONS

### Process relay output termination

Connects sixteen documented relay-output channels to compatible field loads.

### PM/APM/HPM output cabinet

Provides the approved FTA for Process Manager-family output wiring.

### High-voltage contact switching

Uses the documented relay isolation and load class within system limits.

### FTA replacement

Restores channel mapping, commons and controlled output testing.

## PRODUCT PRECAUTIONS

1

Confirm MC-TDOR62 and item number 51309150-275 on the FTA record.

2

Place all sixteen relay-output loads in the approved maintenance state.

3

Record channel mapping, supply source, commons, load type and normal state.

4

Isolate field and I/O energy before removing screw-terminal wiring.

5

Verify the CE-compliant coated FTA execution and terminal condition.

6

Restore each conductor to its documented channel and common.

7

Review IOP and channel diagnostics after controlled energization.

8

Exercise every assigned relay output with the load path controlled before release.

## RELATED APTER POWER PAGES

1

General Electric IS420UCSBH1A

2

General Electric DS3800NGDC1B1A

3

General Electric DS200QTBAG1ADC

4

General Electric DS200RTBAG1AHC

5

General Electric DS200RTBAG2AGL

6

General Electric DS200TBCBG1AAA

7

General Electric DS200TCDAH1BHE

8

General Electric DS200SLCCG3AGH

9

General Electric DS200TBQGG1ABB

# ENGINEER FAQ

**Q1** How many relay-output channels does MC-TDOR62 51309150-275 terminate?

It terminates sixteen relay digital-output channels.

**Q2** Which field-service class is documented for MC-TDOR62 51309150-275?

The documented class is 240 VAC or 125 VDC relay-output service.

**Q3** Which terminal style is used by MC-TDOR62 51309150-275?

It uses screw-terminal field connections.

**Q4** What coating execution applies to MC-TDOR62 51309150-275?

The MC model is conformally coated.

**Q5** Which compliance execution is identified by item 51309150-275 for MC-TDOR62 51309150-275?

The item is the documented CE-compliant execution.

**Q6** Which Honeywell systems use the MC-TDOR62 51309150-275 FTA family?

The manual covers PM, APM and HPM Process Manager I/O installations.

**Q7** Why must field energy be isolated before rewiring MC-TDOR62 51309150-275?

The FTA may carry the documented AC or DC load supply at its screw terminals.

**Q8** Which test releases MC-TDOR62 51309150-275 after service?

Exercise every assigned relay output with the field load path controlled and confirm channel diagnostics.

## RELATED APTER POWER PAGES

1 General Electric IS420UCSBH1A

2 General Electric DS3800NGDC1B1A

3 General Electric DS200QTBAG1ADC

4 General Electric DS200RTBAG1AHC

5 General Electric DS200RTBAG2AGL

6 General Electric DS200TBCBG1AAA

7 General Electric DS200TCDAH1BHE

8 General Electric DS200SLCCG3AGH

9 General Electric DS200TBQGG1ABB

**SOURCE** Honeywell Process Manager I/O Installation (PM/APM/HPM) R610 | Official Honeywell manufacturer publication

+86 180 3023 5313 | sales13@apterpower.com | www.apterpower.com