

APTER POWER PRODUCT REFERENCE MANUAL

FS-TRO-0824

Safety Manager TRO-0824 8-Channel Relay Output FTA

|                  |                                                          |
|------------------|----------------------------------------------------------|
| ENGINEERING LENS | RELAY-CONTACT LOADING AND NON-SAFE OUTPUT CLASSIFICATION |
| SYSTEM           | Honeywell Safety Manager                                 |
| SOURCE CONTROL   | Manufacturer-published information only                  |

This original Apter Power manual explains relay-contact loading and non-safe output classification using only the manufacturer source named inside the document.

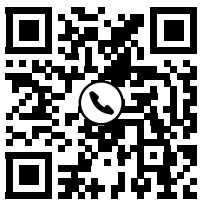
|              |                              |
|--------------|------------------------------|
| Manufacturer | Honeywell                    |
| Prepared by  | Apter Power                  |
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| Revision     | R1                           |
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APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Engineering clarity for relay-contact loading and non-safe output classification.

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SCAN FOR PRODUCT & QUOTE  
FS-TRO-0824

# 1. Product Identity and System Role

FS-TRO-0824 is a Honeywell Safety Manager TRO-0824 field termination assembly. Honeywell's hardware reference identifies TRO-0824 as a non-safe dry digital output FTA with eight relay-contact channels providing normally open and normally closed contacts.

The assembly interfaces controller output commands to eight isolated dry relay contacts for field loads and interposing circuits; relay loading, external power, grounding, and the non-safe classification must be applied exactly as stated in the Honeywell hardware reference.

## Model Configuration

| Field               | Verified information                               |
|---------------------|----------------------------------------------------|
| Complete model      | FS-TRO-0824                                        |
| Manufacturer        | Honeywell                                          |
| Product description | Safety Manager TRO-0824 8-Channel Relay Output FTA |
| System              | Honeywell Safety Manager                           |

## Product-Specific Design Focus

relay-contact loading and non-safe output classification

## 2. Technical Specifications and Evidence Boundary

Only values supported by the named Honeywell source are stated. Where the complete ordering code is absent from public data, the field is explicitly marked for verification.

| Parameter                  | Verified value                                        |
|----------------------------|-------------------------------------------------------|
| Manufacturer               | Honeywell                                             |
| Module designation         | TRO-0824                                              |
| Function                   | Non-safe dry digital output FTA                       |
| Channels                   | 8                                                     |
| Contact arrangement        | Normally open / normally closed                       |
| Load and connection limits | Use section 15.14 of the Honeywell hardware reference |

### Evidence Note

Use the complete FS-TRO-0824 identity. Honeywell's current Safety Manager hardware reference includes TRO-0824. Confirm the commercial status of complete code FS-TRO-0824 with Honeywell. Values not published in the cited Honeywell source are intentionally not inferred.

### 3. Functions, Applications and Matched Components

#### Core Functions

- The assembly interfaces controller output commands to eight isolated dry relay contacts for field loads and interposing circuits; relay loading, external power, grounding, and the non-safe classification must be applied exactly as stated in the Honeywell hardware reference.
- Preserves the documented role within Honeywell Safety Manager.
- Supports model-specific engineering review without substituting unverified third-party data.

#### Application Areas

| Application                      | System role                                                                                                                                                   |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Honeywell Safety Manager         | Maintains the documented relay-contact loading and non-safe output classification role in a correctly matched installation.                                   |
| Process and machine automation   | Supports the control, communication, power, safety, measurement, or protection duty stated in the official source for this exact or verified family identity. |
| Lifecycle-controlled maintenance | Requires complete-code, nameplate, host-system, and project verification before replacement or recommissioning.                                               |

#### Compatible Components

- Honeywell Safety Manager I/O architecture specified for TRO-0824
- Field loads and interposing circuits within the published relay limits
- Cables, external power, grounding, and cabinet arrangement shown in the exact Honeywell drawings

#### Lifecycle Status

Honeywell's current Safety Manager hardware reference includes TRO-0824. Confirm the commercial status of complete code FS-TRO-0824 with Honeywell.

## 4. Installation Precautions

- Match every character of FS-TRO-0824 to the physical nameplate before work.
- Use the exact Honeywell manual, wiring drawing, and safety instructions for the installed revision.
- De-energize and apply the required lockout, discharge, ESD, and stored-energy controls before removal.
- Back up firmware, parameters, controller project, calibration, and network settings where applicable.
- Verify supply, signal type, polarity, grounding, shielding, connector pinout, load, and environmental limits.
- Commission with the manufacturer test procedure and record results before returning equipment to service.

DECISION GATE - Verify before installation

Use the complete FS-TRO-0824 identity. Honeywell's current Safety Manager hardware reference includes TRO-0824. Confirm the commercial status of complete code FS-TRO-0824 with Honeywell. Values not published in the cited Honeywell source are intentionally not inferred.

Controlling records: physical nameplate, current Honeywell document, and host-system drawings.

## 5. Official Source and Use Notice

### Official manufacturer source

Honeywell Safety Manager Hardware Reference EP-SM.MAN.6284, section 15.14 TRO-0824.

<https://prod-edam.honeywell.com/content/dam/honeywell-edam/pmt/hps/products/pas/safety-systems/safety-manager/pmt-hps-safety-manager-hardware-reference-ep-sm-man-6284-r162.pdf?download=false>

### Apter Power product page

<https://www.apterpower.com/Honeywell/fs-tro-0824>

### Use Notice

This is an original Apter Power model-specific reference prepared from the Honeywell source named above. It is not a Honeywell publication and does not replace the original data sheet, nameplate, certificate, installation drawing, safety instructions, or machine-builder documentation.

### ASK FOR QUOTE

For availability and a model-specific quotation, visit [www.apterpower.com](http://www.apterpower.com) or contact [sales13@apterpower.com](mailto:sales13@apterpower.com).