

## Crouzet MDA2R10MV2

# Crouzet Digital Timer TMR48D Series Model MDA2R10MV2 User Manual

On-Delay, DPDT Functionality

## 1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the Crouzet Digital Timer, TMR48D Series, Model MDA2R10MV2. This device is an on-delay digital timer designed for industrial applications, featuring DPDT (Double Pole Double Throw) relay output and a wide range of timing capabilities.

## 2. KEY FEATURES

- **Product Series:** TMR48D Series
- **Timer Function:** On-Delay
- **Timing Range:** 0.001 seconds to 9999 hours (10 selectable ranges)
- **Display:** 4-digit digital display
- **Output:** 2 Changeover Relays (DPDT)
- **Supply Voltage:** Up to 240V
- **Mounting:** Panel mount with 45mm x 45mm cutout
- **Connection:** Plug-In type

## 3. SETUP AND INSTALLATION

### 3.1 Safety Precautions

- Ensure power is disconnected before installation or wiring.
- Installation should be performed by qualified personnel only.
- Verify supply voltage matches the timer's specifications.

### 3.2 Panel Mounting

1. Create a panel cutout of 45mm x 45mm.
2. Insert the timer into the cutout from the front.
3. Secure the timer using the provided mounting clips from the rear of the panel.

### 3.3 Wiring

Connect the timer according to the wiring diagram provided with the product packaging. Ensure proper connection of power supply, input signals, and DPDT relay outputs. The timer uses a plug-in connection type.



Front view of the Crouzet TMR48D Digital Timer, showing the digital display, 'T1' and 'OUT 2' indicators, 'LOCK' indicator, and four programming buttons at the bottom. This image illustrates the user interface for setup and operation.

## 4. OPERATING INSTRUCTIONS

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### 4.1 Power On

Once wired and secured, apply power to the timer. The digital display will illuminate, showing the current time value or a default setting.

### 4.2 Understanding On-Delay Function

In On-Delay mode, the timer's output relays will activate only after a set time period has elapsed, following the application of a trigger signal or power. The timer counts up or down, and once the set time is reached, the DPDT relays change state.

### 4.3 Programming the Timer

The timer features four programming buttons located below the display. Refer to the detailed programming guide in the product's full technical documentation for specific steps to set timing ranges, time values, and operating modes.

Generally, the buttons allow for:

- **Mode Selection:** Choosing between different operating modes (e.g., On-Delay).
- **Parameter Adjustment:** Setting the desired time value (0.001s to 9999h).
- **Unit Selection:** Selecting time units (seconds, minutes, hours).
- **Start/Stop/Reset:** Initiating or resetting the timing cycle.

The 'LOCK' indicator on the display signifies if the timer's settings are locked to prevent accidental changes.

## 5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the timer's display and casing. Avoid abrasive cleaners or solvents.
- **Inspection:** Periodically inspect wiring connections for tightness and signs of wear or damage.
- **Environment:** Ensure the operating environment remains within specified temperature and humidity ranges to prolong the timer's lifespan.

## 6. TROUBLESHOOTING

| Problem                      | Possible Cause                                                  | Solution                                                                              |
|------------------------------|-----------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Timer not powering on        | No power supply; incorrect wiring                               | Check power connections and supply voltage. Verify wiring against diagram.            |
| Output relays not activating | Incorrect time setting; no trigger signal; timer in 'LOCK' mode | Verify programmed time and mode. Check trigger signal. Unlock timer if necessary.     |
| Display shows error code     | Internal fault; programming error                               | Refer to the full technical manual for specific error codes. Try resetting the timer. |

If issues persist, contact Crouzet technical support.

## 7. TECHNICAL SPECIFICATIONS

| Parameter                | Value                                             |
|--------------------------|---------------------------------------------------|
| Model Number             | MDA2R10MV2                                        |
| Product Series           | TMR48D Series                                     |
| Timer Functions          | On-Delay                                          |
| Minimum Time Setting     | 0.001s                                            |
| Maximum Time Setting     | 9999h                                             |
| Number of Timing Ranges  | 10 Ranges                                         |
| Number of Digits         | 4                                                 |
| Timer Output             | 2 Changeover Relays (DPDT)                        |
| Supply Voltage Max       | 240V                                              |
| Connection / Termination | Plug-In                                           |
| Panel Cutout Height      | 45mm                                              |
| Panel Cutout Width       | 45mm                                              |
| Material                 | Copper (Internal components, as per product data) |

| Parameter | Value |
|-----------|-------|
|-----------|-------|

## 8. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact Crouzet directly or refer to their official website. Keep your purchase receipt for warranty claims.

**Manufacturer:** Crouzet

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### ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

#### Name

Anonymous

#### Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

#### Question

Example: How do I reset this device or fix this error?

#### Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question