

PANEL MOUNT TIMER ANALOGUE

Analogue 48x48mm

88886016

TIMER TMR48U MULTI FUNCTION

- Single or multi function
- Time range 0.02 sec – 300 hrs
- Wide voltage range 12-240V
- 2 x relay outputs



PRODUCT DESCRIPTION

What is a timer?

A timer is a simple automation component which is used to manage actions over a period of time or control how long actions last. The timer is a control device which triggers an action according to a time and a function. After a predefined time has elapsed, the timer closes or opens one or more contacts.

Timing cycles, whether single shot or repetitive, are started by latching inputs or pulsed inputs, allowing a wide variety of functions to be created.

To execute which actions?

A timer can be used to trigger an action according to a predefined time. It can also be used to stagger actions over a period of time.

In any time-related application, the timer can play a role and can be used to:

- Run installations according to times that can be adjusted by the user.
- Calibrate a machine running time.
- Allow or prevent an action.
- Delay an action.
- Manage stopping/starting of a motor, pump, etc. (star delta).
- Make an LED flash.

Crouzet timer features;

- Available in mono- or multifunction versions (analogue or digital, with or without latching), to meet the specific needs of each application.
- A timing range of up to 9,999 hrs to cope with prolonged processing operations.
- A range of power supplies from 12 to 240 V in one unit for optimised stocks.
- Recognised quality and reliability ensures the correct operation of equipment.

Where are they found?

In electrical cabinets associated with other automation products for the following markets;

- Food industry
- Industrial automation systems
- Lighting
- Building equipment
- HVAC
- Small or large industrial machines

Packaging;

Controlling heat sealing times on blister packs, packing bags etc. (MUR1, MXR1)

Illuminated signs;
Managing flashing on automated signs. (TMR48L)

Fans;
Time management for delay start up or shut down. (S-Series, TMR48, Timer 81X)

Heat pumps;
Managing compressor start up (anti-short cycle). (S-series timer)

Ice maker;
Managing the duration of refrigeration. (TUR1)

Vending machines;
Time management of product delivery. (TMR48, Timer 81X)

Lighting for mobile homes;
Managing the duration of outdoor lighting of a mobile home if the light switch is left on. (MXR)

Machine tools;
Control of maintenance periods. (TMR48, Timer 81X)

Sensing on assembly lines;
Managing the operation between a conveyor belt based on the time interval between productions on the belt. (MCR1)

Remote machinery;
Managing maintenance of the power supply in the event of a mains power failure, switching on an external back-up power source at a given time. (TK2R1)

SPECIFICATIONS

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|--|---|
| Approvals | CE, CSA, UL |
| Breaking capacity | 2000 VA |
| Current max | 5 A |
| Function | A - Delay on energisation, Ac - Timing after closing and opening of control contact, B - Timing on impulse (one shot), Bw - Pulse output (adjustable), C - Timing after impulse, G - Cyclical function, W - Timing after pulse on control contact |
| IP Class Front | IP50 |
| IP Class Housing | IP40 |
| Mounting | 11-pin socket, Panel mount |
| Multifunction | Yes |
| Output | Relay 2 pole C/O |
| Pulse The Reset Min | 60 ms |
| Repeatability | 0,5 % |
| Supply voltage | 12-240V DC / 24-240V AC |
| Switching Current Max | 5 A |
| Temperature range bearing, from | -40 °C |
| Temperature range bearing, to | 70 °C |
| Temperature range from | -20 °C |

| | |
|--------------------------|---------------|
| Temperature range to | 50 °C |
| The Pulse At The Gate My | 60 ms |
| Time Range | 0.02 s - 300h |

