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PANEL MOUNT TIMER ANALOGUE

Analogue 48x48mm

88886116
Timer TMR48X Multifunction 12-240V dc / 24-240V ac



- 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 odf 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)

TECHNICAL DATA

FUNCTION

Function	D, Di, Q2, H2, H1, A2, A1, Q1
Time range	0.02 s - 300h
Repeatability	0.5 %
Pulse at gate min	60 ms
Pulse at reset min	60 ms
Multi-function	Yes
Output	Relay 2 pole C/O

ELECTRICAL DATA

Breaking capacity	2000 VA
Switching current max	5 A
Current max	5 A
Supply voltage	12-240V DC / 24-240V AC

OTHER TECHNICAL DATA

Mounting	8-pin socket, Panel mount
IP class front	IP50
IP class housing	IP40
Temperature operational min	-20 °C
Temperature operational max	50 °C

Storage temperature min	-40 °C
Storage temperature max	70 °C
Approvals	CE, CSA, UL





