**OEM Automatic Ltd**
Address: Whiteacres, Whetstone Leicester, LE8 6ZG
0116 284 9900 | Orders@oem.co.uk | www.oem.co.uk

# CROUZET CHRONOS 2 PLUG IN TIMER 11 PIN

Chronos 2 Series

88867303
Obsolete *** Use PU2R10MV1 as alternative




- OBSOLETE PRODUCT - REFER TO Syr-Line
- Single or Multi-Function
- Multi time range 0.1 sec – 10 hrs
- Wide supply voltage range options
- 2 x 8A rated relay contacts

## 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** | A, Ac, At, B, Bw, C, D, Di, H, Ht |
| **Time range** | 0,1-1s, 1-10s, 6-60s, 1-10min, 6-60min, 1-10h, 10-100h |
| **Close delay** | 30 ms |
| **Response time off** | 120 ms |
| **Repeatability** | 0.5 % |
| **Multi-function** | Yes |
| **Output** | Relay 2 pole C/O |

## ELECTRICAL DATA

| | |
|---|---|
| **Power consumption** | 0.6 W |
| **Breaking capacity** | 2000 VA / 80W |

| | |
|---|---|
| **Switching current max** | 8 A |
| **Cable area with sleeve** | 2 x 1,5 mm² |
| **Cable area without sleeve** | 2 x 2,5 mm² |
| **Supply voltage** | 12-240V AC/DC |

## OTHER TECHNICAL DATA

| | |
|---|---|
| **Mounting** | 11-pin socket |
| **IP class connection** | IP20 |
| **IP class front** | IP50 |
| **Temperature operational min** | -20 °C |
| **Temperature operational max** | 60 °C |
| **Storage temperature min** | -30 °C |
| **Storage temperature max** | 60 °C |
| **Approvals** | CE, Lloyd´s, RoHS, UL |

