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CROUZET CHRONOS 2 PLUG IN TIMER 11 PIN

Chronos 2 Series

88867385
Timer PX2R1 24VDC, 24-240VAC



- 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	Ad, Ah, N - Safe-guard, O, P, Pt, TL, Tt, W
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	24V dc / 24-240V ac

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

