RM SERIES TM

TIMERS FOR INDUSTRIAL RELAYS



TYPE

TM2-TM3

The TM2 or TM3 Time cube is an electronic timer that is inserted between the plug-in industrial relay and the socket. The result is a modular, complete time-delay relay without additional space requirement. The TM modules are suitable for all 8- and 11-pin standard industrial relays according to IEC 67 (i.e. RM2, RM3 series) and for industrial relays from other manufacturers.

SPECIFICATIONS

Operating voltage Functions Time range **Timing adjustment** Accuracy Min. control period Reset time Ambient temperature Protection class Weight

TIME FUNCTIONS

TMA - ON DELAY

TMC - OFF DELAY

TMS - BLINKER

U

UI

R

Ur

B1

R

Ur

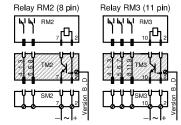
B1

_ t _

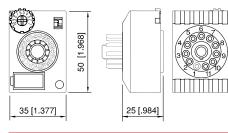
12...240 V AC/DC (see list) A, B, C, D, S 0.2 s . . . 30 min. Range: Switch / Within the range: Potentiometer t +- 2% < 50 ms < 200 ms -25...70 °C IP40 35 g



CONNECTION DIAGRAM



DIMENSIONS mm [inch]

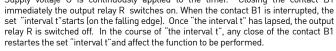


TIMING ADJUSTMENT

Potentiometer



Switch



lapsed, the output relay R switches on and remains on until supply voltaje U is switched

Applying the supply voltaje U switches the output relay R on and the set "the interval t"

Applying the supply voltaje U starts the symmetrical and cyclical operation of the

output relay R according to "the interval t". The cyclical operation finish when the

Supply voltaje U is continuously applied to the timer. Closing the contact B1 immediately

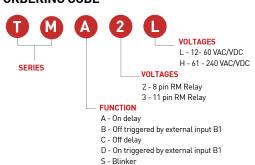
the output relay R switches on for the set interval "t" (on the leading edge). Once the

interval "t" has lapsed, the output relay R is switched off. In the course of the interval 't", any close of the contact B1 does not affect the function to be performed.

begins. Once "the interval t" has lapsed, the output relay R switches off.

Notes U: supply voltaje A1(+) A2(-) (by 2-10 or 2-7) B1: external input 12 to 60 (L) or 61 to 240 (H). Only for functions B and D.

ORDERING CODE



off.

TMD - ON TRIGGERED BY EXTERNAL INPUT B1

nnnn

t| _t_|

t₂<'t

1

supply voltaje U is removed.

TMB - OFF TRIGGERED BY EXTERNAL INPUT B1 Supply voltaje U is continuously applied to the timer. Closing the contact B1

TECHNICAL APPROVALS ((RU., ()) H (\mathbf{m}) n process In process In process IEC 61810; EN 60947

After applying the supply voltaje U, the set interval t begins. Once "the interval t" has