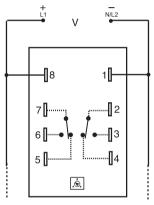


Connection:



 \mathbf{R}_{T} is used when external adjustment is ordered. Relay contacts are isolated.

The ORM Series features open PC board construction for reduced cost. It has isolated, 10A, DPDT relay contacts and all connections are 0.25 in (6.35 mm) male quick connect terminals. The time delay may be ordered as factory fixed, onboard knob, or external adjustment. Time delays from 0.05 - 300 seconds.

Operation (Delay-on-Make):

Upon application of input voltage, the time delay begins. The output is de-energized before and during the time delay. At the end of the time delay, the output energizes and remains energized until voltage is removed.

Reset: Removing input voltage resets the time delay and output.

For more information see:

Appendix A, pages 156-164 for function descriptions and diagrams.

Appendix B, page 165, Figure 11 for dimensional drawing.

R _T Selection Chart					
Desired Time Delay*					Rт
Seconds					1.1
1	2	3	4	5	Megohm
0.05	0.5	0.6	1.2	3.0	0.0
0.5	5.0	10	20	50	0.5
1.0	10	20	40	100	1.0
1.5	15	30	60	150	1.5
2.0	20	40	80	200	2.0
2.5	25	50	100	250	2.5
3.0	30	60	120	300	3.0

^{*} When selecting an external R_T add at least 20% for tolerance of unit and the R_T.

Features:

- Time delays from 0.05s 300s in 5 ranges or fixed
- Low cost open PCB construction
- 10A, DPDT output contacts
- ±2% repeat accuracy
- ±10% factory calibration
- Factory fixed, onboard or external adjust

Approvals: (É 🕦 🏈

Auxiliary Products:

- External adjust potentiometer: P/N: P1004-12 P/N: P1004-12-X
- Female quick connect: P/N: P1015-64 (AWG 14/16)
- Quick connect to screw adaptor: P/N: P1015-18
- Versa-knob: P/N: P0700-7

Available Models:

ORM120A110 ORM120A25 ORM120A115 ORM230A17 ORM120A145 ORM24D13.5 ORM120A17

If desired part number is not listed, please call us to see if it is technically possible to build.

Order Table:

ORM X Input Voltage -24A - 24VAC -24D - 24VAC/28VDC -110D - 110VDC -120A - 120VAC -230A - 230VAC X Adjustment —1 - Fixed

-1 - Fixed -2 - Onboard knob -3 - External adjust X Time Delay* -1 - 0.05 - 3s -2 - 0.5 - 30s -3 - 0.6 - 60s -4 - 1.2 - 120s -5 - 3 - 300s

*If fixed delay is selected, insert delay (0.05 - 300) in seconds.

Specifications

..... Analog circuitry Tolerance Adjustable: guaranteed range Fixed: ±10% . After timing - ≤ 16ms; Recycle Time..... During timing - 0.1% of max. time delay or 75ms, whichever is greater Time Delay vs Temp. & Voltage. $\leq \pm 10\%$ Input Voltage.... 110 to 230VAC/DC.....-20% - 10% Power Consumption 2.25W