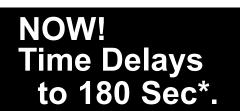


Thermal Time Delay Relays



"snap action"

★ 5 and 100 second relays with intermittent duty heater only.

TECHNICAL SPECIFICATIONS

time delay

5 to 180 seconds.

time tolerances

The relays are highly repeatable within themselves Standard tolerances on time delay - $\pm 25\%$. 3 to 10 seconds ± 2 seconds.

heater data

Standard voltages 6.3, 26.5 and 115 volts, Special voltages can be supplied. Voltages used can be either AC or DC. Power - 3 Watts.

contact ratings

115 volts AC 3 amperes resistive 28 volts DC 3 amperes resistive

Insulation

Insulated for test voltage of 1000 volts peak between heater and contacts; and 500 volts peak across open contacts.

weight

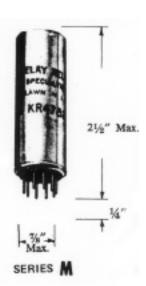
9 pin miniature-less than 1 ounce 8 pin octal, 1 $\frac{1}{4}$ ounces

ambient temperature range

Relays are compensated for temperatures of - 65° C to + I OO°C. Relays may be operated from - 80° C to + 125° C.

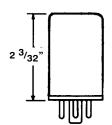
relay life

A minimum of 100,000 operations under average operating conditions.

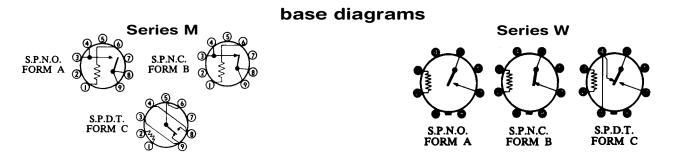




SERIES W



Dimensions are Nominal

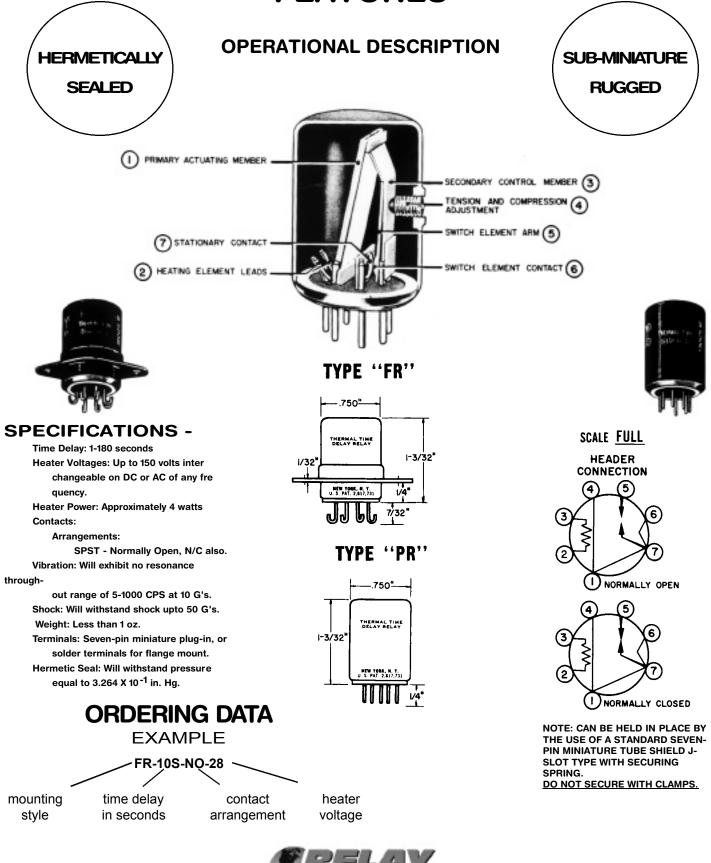


Toll Free 1-800-526-5376 • 201-337-1000 • Fax 201-337-1862



Thermal Time Delay Relays

FEATURES



PECIALTIES

world of components

sales@relayspec.com

www.relayspec.com

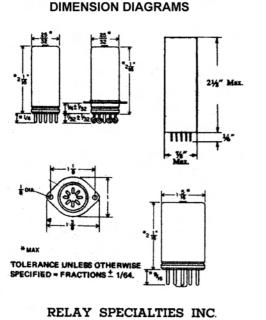


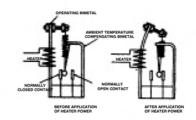
Thermal Time Delay Relays

"snap action" THERMAL TIME DELAY RELAY

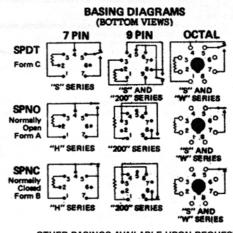
LOW COST - HERMETICALLY SEALED - CHATTER FREE - FROM STOCK
OPERATES ON ENERGIZATION - OPERATES AC OR DC ANY FREQUENCY
UNAFFECTED BY VOLTAGE TRANSIENTS - AMBIENT COMPENSATED -65 +85°C
-TIME SETTING CAN BE PIN POINT ADJUSTED BY SCREW ADJUSTMENT

DESCRIPTION: New and critical applications of time delays are being filled by Thermal relays. Features include chatter-free, Single Pole Double Throw load contacts, fast reset, operates under conditions of temperature environments, vibration, shock, acceleration and altitude. The "Snapper" is a thermal time delay relay in which a bimetal element is heated by a separate controlling circuit to cause a mechanical deflection of the bimetal. A toggle Snap Action assembly is mechanically activated by the deflection.





OPERATION OF THE "SNAPPER" RELAY: Snap Action switching has the inherent advantages of quick break and make, high contact pressure at the moment of closure, wiping action, and a large and definite contact gap. The movable contact arm of the relay is pivoted on a compensating bimetal element. Changes in the ambient temperature affect both the operating bimetal and the compensating bimetal, deflecting both so as to cancel the effect of ambient temperature on the relay operating time.

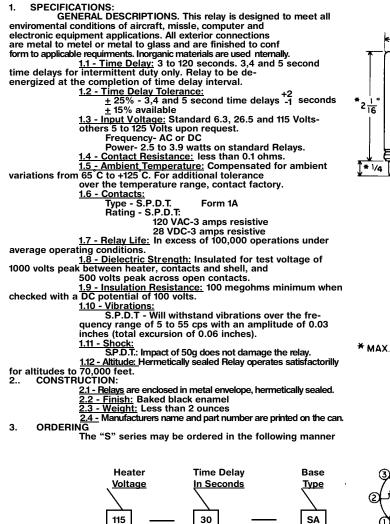


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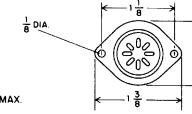


"snap action" THERMAL TIME DELAY RELAY **SERIES TYPE "S"**

7 PIN MINIATURE HOOKED TERMINALS - 7 PIN SOLDER TERMINALS PIN MINIATURE STRAIGHT TERMINALS - 8 PIN OCTAL PLUG IN 9



5 16 32 *2<u>1</u> 16 *****2 <u>ie</u> [1/4±1/32 ⁷/32 ± 1/32 00 00 TIUUUU ⁹/16 [#1/4



TOLERANCE UNLESS OTHERWISE SPECIFIED FRACTIONS 15









8 PIN OCTAL







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S= TYPE

A= 7 PIN

C= 9 PIN

B= 8 PIN OCTAL

D = 7 HOOK TERMINALS F= FLANGE MOUNTING