

TSD7 SERIES

Accessories



P1004-13, P1004-13-X Versa-Pot
Panel mountable, industrial potentiometer recommended for remote time delay adjustment.



P1023-6 Mounting bracket
The 90° orientation of mounting slots makes installation/removal of modules quick and easy.



P0700-7 Versa-Knob
Designed for 0.25 in. (6.35 mm) shaft of Versa-Pot. Semi-gloss industrial black finish.



P1015-64 (AWG 14/16)
Female Quick Connect
These 0.25 in. (6.35 mm) female terminals are constructed with an insulator barrel to provide strain relief.



P1015-18 Quick Connect to Screw Adapter
Screw adapter terminal designed for use with all modules with 0.25 in. (6.35 mm) male quick connect terminals.



C103PM (AL) DIN Rail
35 mm aluminum DIN rail available in a 36 in. (91.4 cm) length.



P1023-20 DIN Rail Adapter
Allows module to be mounted on a 35 mm DIN type rail with two #10 screws.



VTP(X)(X) Plug-on Adjustment Module
Mounts on modules with in-line adjustment terminals. Rated at 0.25W at 55°C. Available in resistance values from 5K to 5M.

Selection Table for VTP Plug-on Adjustment Accessory

Time Delay	VTP P/N	Time Delay	VTP P/N
1 - 1-100s	VTP5G	4 - 1-100m	VTP5P
2 - 10-1000s	VTP5K	5 - 10-1000m	VTP5R
3 - 0.1-10m	VTP5N		

Selection Guide

RT Selection Chart					
Desired Time Delay*					RT Megohm
Seconds		Minutes			
1	2	3	4	5	
1	10	0.1	1	10	0.0
10	100	1	10	100	0.5
20	200	2	20	200	1.0
30	300	3	30	300	1.5
40	400	4	40	400	2.0
50	500	5	50	500	2.5
60	600	6	60	600	3.0
70	700	7	70	700	3.5
80	800	8	80	800	4.0
90	900	9	90	900	4.5
100	1000	10	100	1000	5.0

* When selecting an external RT add at least 20% for tolerance of unit and the RT.

Specifications

Time Delay

Type	Digital integrated circuitry
Range	1s - 1000m in 5 adjustable ranges or fixed
Repeat Accuracy	-0.5% or 20ms, whichever is greater
Tolerance	
(Factory Calibration)	-10%
Recycle Time	400ms
Time Delay vs Temp. & Voltage	-2%

Input

Voltage	24, 120, or 230VAC
Tolerance	-20%
AC Line Frequency	50/60 Hz

Output

Type	Solid state
Form	NO, closed during timing
Maximum Load Current	1A steady state, 10A inrush at 45°C
Minimum Load Current	40mA
Effective Voltage Drop (VLine-VLoad)	

Input	Effective Drop
24VAC	3V
120VAC	4V
230VAC	6V

Protection

Circuitry	Encapsulated
Dielectric Breakdown	2000V RMS terminals to mounting surface
Insulation Resistance	100 M

Mechanical

Mounting	Surface mount with one #10 (M5 x 0.8) screw
Dimensions	H 50.8 mm (2 "); W 50.8 mm (2 "); D 30.7 mm (1.21 ")
Termination	0.25 in. (6.35 mm) male quick connect terminals

Environmental

Operating/Storage Temperature	-40° to 75°C / -40° to 85°C
Humidity	95% relative, non-condensing
Weight	2.4 oz (68 g)

Function Diagrams

