

Selection Guide

Solid State Timers with Relay Outputs

To view individual catalog pages,
see Catalog SS3 (1TRC001009C0201)
or www.ssac.com



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Dedicated Function

	S Series Onboard Adjust	Plug-in Switch Adjust	Plug-in Knob Adjust	E Range Onboard Adjust	D Range Onboard Adjust
Delay on Make (ON-Delay)	CT-ERS (a) CT-ERS (i)	TDM	TRM PRLM	CT-ERE	CT-ERD
Interval (Impulse ON)	CT-VWS	TDI	TRS PRLS	CT-VWE	CT-VWD
Interval, Trailing Edge (Impulse OFF)	CT-AWS (te)			CT-AWE	
Interval, True Trailing Edge (Impulse OFF)				CT-AWE	
Recycling Equal Times	CT-EBS (e)	TRU		CT-EBE	CT-EBD
Recycling, Unequal Times (Pulse Generator)	CT-TGS	TDR			CT-TGD
Single Shot (Pulse Former)		TDS	TRS PRLS		
Delay on Break (OFF - delay)	CT-AHS CT-APS	TDB	TRB PRLB	CT-AHE	CT-AHD
True Delay on Break (OFF - delay)	CT-ARS (tb)			CT-ARE (tb)	
Delay on Make / Delay on Break	CT-EAS (i),(e) CT-EVS (a)	TDMB			
Star Delta	CT-YDAV CT-YDEW			CT-SDE CT-YDE	
Delayed Interval (Single Pulse Generator)	CT-PGS	TRDU			

Time Delay & Adjustment

Time Delay Range	0.05 s to 300 h (i)	0.1 s to 2.8 h (i) TRDU to 1705 h	0.05 s to 10 m (i) TRU 16 h	0.1 s to 300 s (i)	.05 s to 100 h
Repeat Accuracy	≤ 0.2%	≤ 0.1%	≤ 2%	≤ 1%	≤ 0.5%
Knob Adjust			•		
Onboard Adjust	•			•	•
Switch Adjust		•			
External Adjust	Some Series		TR Series		
Factory Fixed			•		

General Features

DIN Rail Mounting (35 mm)	•	Socket Required	Socket Required	•	•	
Surface Mounting	Adaptor Required	Socket Required	Socket Required	Adaptor Required	Adaptor Required	
Output Relay	SPDT or DPDT (i)	SPDT or DPDT	SPDT or DPDT	SPDT	SPDT	
Resistive Rating at Contacts	4 A	10 A	10 A	4 A	6 A	
Screw Terminals	•	Socket Required	Socket Required	•	•	
Dimensions	in mm	0.89 x 3.07 x 3.98 22.5 x 78 x 101	1.78 x 2.39 x 3.20 45.2 x 60.7 x 81.3	1.78 x 2.39 x 3.62 45.2 x 60.7 x 91.6	0.89 x 3.07 x 3.09 22.5 x 78 x 78.5	.69 x 2.76 x 2.48 17.5 x 70 x 63

(a) = includes time accumulation; (e) = equal time delays; (i) = includes an instantaneous contact; (tb) = true delay on break; (te) = trailing edge triggered;
A = amps resistive rating; (i) = most series consult catalog pages

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	HR Series Onboard & External Adjust or Fixed	ERD Series Knob & External Adjust or Fixed	OR Series Knob & External Adjust or Fixed	KR Series Onboard & External Adjust or Fixed
Dedicated Function	Series	Series	Series	Series
Delay on Make (ON Delay)	HRDM	ERDM	ORM	KRDM
Interval (Impulse ON)	HRPS			KRPS
Recycling Equal Times	HRDI	ERDI	ORS	KRDI
Recycling (Pulse Generator)	HRPS			KRPS
Single Shot (Pulse Former)	HRD3 (e)	ERD3 (e)		KRD3 (e)
Delay on Break (On Release)	HRPS			KRPS
	HRDR			KRDR
	HRPD			KRPD
	HRDS	ERDI	ORS	KRDS
	HRD9 (r)			KRD9 (r)
	HRPS			
Delay on Make / Delay on Break	HRDB		ORB	KRDB
Delayed Interval (Single Pulse Generator)	HRPS			KRPS
Other Functions Available	HRPD			KRPD
	HRPD			KRPD
	•			•
Time Delay & Adjustment				
Time Delay Range	0.1 s to 1000 m	0.1 s to 500 m (!)	0.05 to 300 s (!)	0.1 s to 1000 m
Repeat Accuracy	≤ 0.5%	≤ 0.5% to 2%	≤ 2%	≤ 0.5%
Knob Adjust		•	•	
Onboard Adjust	•			•
Switch Adjust				•
External Adjust	•	•	•	•
Factory Fixed	•	•	•	•
General Features				
DIN Rail Mounting	Adaptor Required			Adaptor Required
Surface Mounting		•	•	•
DPDT Relay/Resistive Rating	•	10 A	10 A	
SPDT Relay/Resistive Rating	SPDT 30 A	10 A	10 A	10 A
Popular AC & DC Voltages		•	ORB, ORS AC Only	•
Encapsulated	•	•		•
Quick Connects	•	•	•	•
Dimensions	in mm	2.02 x 3.02 x 1.50 51.3 x 76.7 x 38.1	2.50 x 3.50 x 1.70 63.5 x 88.9 x 43.2	2.12 x 3.69 x 1.88 53.9 x 93.7 x 47.8
		2.0 x 2.0 x 1.21 50.8 x 50.8 x 30.7		

(e) = equal time delays; (r) = retriggerable; (!) = Most series consult catalog pages