

## Selection Guide

### Solid State Timers with Relay Outputs

To view individual catalog pages,  
see Catalog SS3 (1TRC001009C0201)  
or [www.ssac.com](http://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)<br>CT-ERS (i)     | TDM                   | TRM<br>PRLM         | CT-ERE                 | CT-ERD                 |
| Interval (Impulse ON)                      | CT-VWS                       | TDI                   | TRS<br>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<br>PRLS         |                        |                        |
| Delay on Break (OFF - delay)               | CT-AHS<br>CT-APS             | TDB                   | TRB<br>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)<br>CT-EVS (a) | TDMB                  |                     |                        |                        |
| Star Delta                                 | CT-YDAV<br>CT-YDEW           |                       |                     | CT-SDE<br>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)<br>TRDU to 1705 h | 0.05 s to 10 m (i)<br>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<br>mm         | 0.89 x 3.07 x 3.98<br>22.5 x 78 x 101 | 1.78 x 2.39 x 3.20<br>45.2 x 60.7 x 81.3 | 1.78 x 2.39 x 3.62<br>45.2 x 60.7 x 91.6 | 0.89 x 3.07 x 3.09<br>22.5 x 78 x 78.5 | .69 x 2.76 x 2.48<br>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