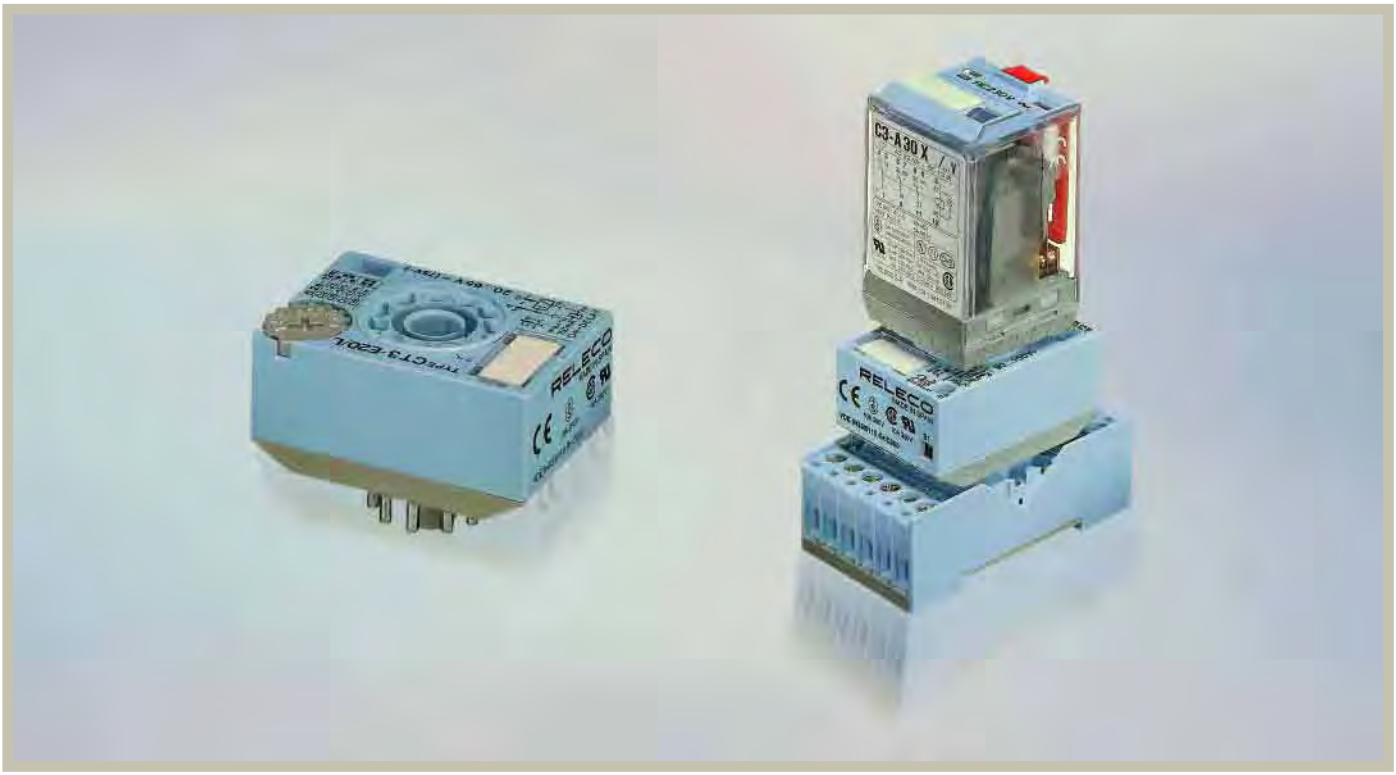
RELECO by TURCK

# TIMERS



# TIME CUBE

## 8 and 11-Pin, Time Cube

RELECO by TURCK





The modules **CT2** and **CT3** are electronic timers that are designed to be inserted beween a standard plug-in relay and its socket, enabling the relay to be operated as a timer relay.

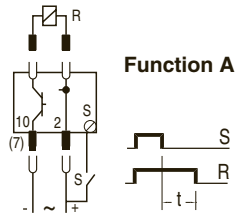
The **CT** modules are able to accept any standard 8- or 11-pin RELECO series C2 or C3 as well as those from any other supplier.

The relay coil voltage must be in the range shown for each model.

### CT2A CT3A

**Off delay**

The timing starts when **S** is switched off. The relay drops out at time (**t**).

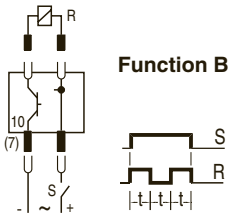



| | |
|---|---|
| **CT2-A30/S*** | 9.5 - 18 V |
| **CT2-A30/L** | 20 - 65 V |
| **CT2-A30/M** | 90 - 150 V |
| **CT2-A30/U** | 180 - 265 V |
| **CT3-A30/S*** | 9.5 - 18 V |
| **CT3-A30/L** | 20 - 65 V |
| **CT3-A30/M** | 90 - 150 V |
| **CT3-A30/U** | 180 - 265 V |

### CT2B CT3B

**Blinker**

The relay blinks ON/OFF at time (**t**) when switch **S** is closed. First pulse, ON.

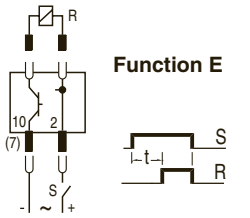



| | |
|---|---|
| **CT2-B30/S*** | 9.5 - 18 V |
| **CT2-B30/L** | 20 - 65 V |
| **CT2-B30/H** | 90 - 265 V |
| **CT3-B30/S*** | 9.5 - 18 V |
| **CT3-B30/L** | 20 - 65 V |
| **CT3-B30/H** | 90 - 265 V |

### CT2E CT3E

**On delay**

The timing starts when the switch **S** is closed. The relay pulls in at the time (**t**)




| | |
|---|---|
| **CT2-E30/S*** | 9.5 - 18 V |
| **CT2-E30/L** | 20 - 65 V |
| **CT2-E30/H** | 90 - 265 V |
| **CT3-E30/S*** | 9.5 - 18 V |
| **CT3-E30/L** | 20 - 65 V |
| **CT3-E30/H** | 90 - 265 V |

*All types are for AC/DC except “S” voltage range (only DC)

**CT2...** (8-Pin) **and CT3...** (11-Pin) **types with time range from 0.2 seconds to 30 minutes** (range 30)

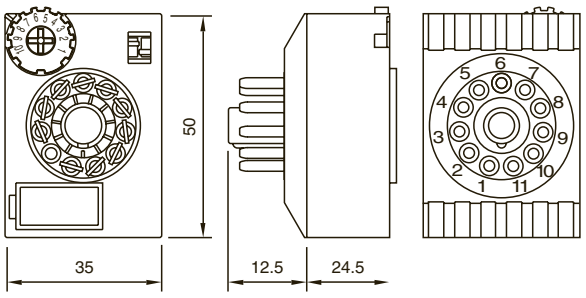
### Specifications

| | |
|---|---|
| Time accuracy: | |
| Repetition | +0.5% / 20 ms |
| Supply voltage | 1 ms / volt. |
| Ambient temperature | -0.25% / K |
| Reset time (types E, W, B) | <150 ms |
| Reset time (types A, K) | <200 ms |
| Triggering time: AC, 80 ms ; | DC, 50 ms |
| Ambient temperature | -10°C to +60°C |
| Transient protection | IEC 255.4 |
| Housing material: | Noryl SE1 (UL94 V-1) |
| Protection class (DIN 40050) | IP 40 |
| Weight avg. | 35 g |

### Time Range Setting

| Range 30 | Dip - Sw |
|---|---|
| 0.2 - 3 s | |
| 2 - 30 s | |
| 0.2 - 3 min | |
| 2 - 3 min | |

### Dimensions



# TIME CUBE

## 8 and 11-Pin, Time Cube

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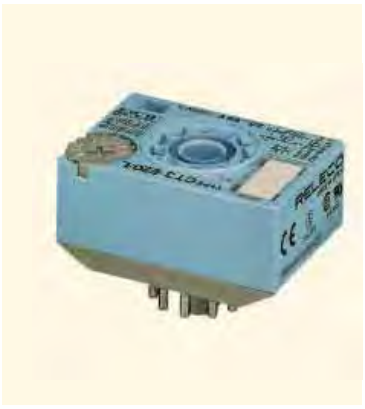



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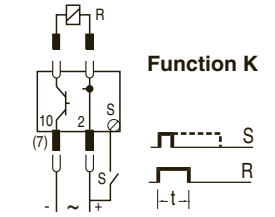
The relay coil voltage must be in the range shown for each model.

### CT2K CT3K

**One shot, aux. pulse**

The relay turns ON with a pulse on the switch **S** and turns OFF at the time (**t**).




| | |
|---|---|
| **CT2-K30/S*** | 9.5 - 18 V |
| **CT2-K30/L** | 20 - 65 V |
| **CT2-K30/M** | 90 - 150 V |
| **CT2-K30/U** | 180 - 265 V |
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| **CT3-K30/L** | 20 - 65 V |
| **CT3-K30/M** | 90 - 150 V |
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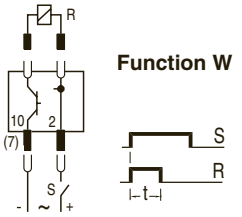
### CT2W CT3W

**One shot**

The relay turns ON as switch **S is** closed and turns OFF at the time (**t**).




| | |
|---|---|
| **CT2-W30/S*** | 9.5 - 18 V |
| **CT2-W30/L** | 20 - 65 V |
| **CT2-W30/H** | 90 - 265 V |
| **CT3-W30/S*** | 9.5 - 18 V |
| **CT3-W30/L** | 20 - 65 V |
| **CT3-W30/H** | 90 - 265 V |

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| 2 - 3 min | |

### Dimensions

