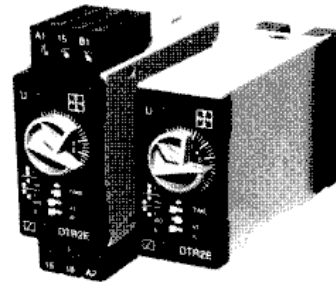


- compact dimensions
- parallel load contact
- 2 switchable functions
- 3 voltages per unit
- 6 switchable time ranges

approvals:  TA 501 



## Technical Data:

**Supply voltages:**  
 Dual voltage: 24VAC/DC and 230 VAC,  
 24VAC/DC and 110VAC

selected via power link

**Nominal power consumption:**  
 24V approx 1 VA  
 110V approx. 4 VA  
 230V approx 8 VA

**Acceptable voltage variation:** 24V...0.85 to 1.1  $U_n$   
 110V...0.85 to 1.1  $U_n$   
 230V...0.8 to 1.15  $U_n$

**Frequency range** 45-63 Hz  
**Duty cycle** 100% IEC class 1c

**Environmental conditions:**  
 Permissible ambient temperature: -25°C to +55°C  
 HVF climatic resistance to DIN 40040

**Accuracy:**  
 Repetition accuracy under constant condition  
 (as % of full range)  $\leq 0.5\%$   
 Reset time approx 100 ms max.

Enclosure in self-extinguishing plastic. Protection class IP 40  
 To meet the ÖVE-standards for household-applications require a 0.68  $\mu$ F capacitor.

**Type of connections:**  
 Type X/K: Terminal protection 4 mm<sup>2</sup> between contact connection  
 Type V: 11-pin plug-in base

**Dimensions and standards:**  
 X: 45 x 22.5 x 65 mm (h x b x d)  
 V: 45 x 22.5 x 78 mm (h x b x d)  
 K: 45 x 22.5 x 78 mm (h x b x d)  
 X: Mounting on DIN rails to DIN 46277/3  
 (European standard EN 50 0222)  
 Connection via terminals up to 4 mm<sup>2</sup> with protection against accidental contact. Protection class IP20  
 Protection against contact to VDE 0106 and VBG 4  
 Terminal arrangement and connection markings according to DIN 46 199  
 V: Mounting and connection via 11-pin screw or soldered plug.  
 Fixing via retaining clip BU 370. Pin arrangement and connection markings according to IEC 67-1-18a

**Output stage:**  
 1 changeover  
 Max. switching voltage: 250VAC, 125VDC  
 Continuous current with resistive load: 5 A max.  
 Contact life: 240 V, 5 A resistive load  $\geq 10^5$  switching operations.  
 Mechanical life:  $\geq 20 \cdot 10^5$  switching operations.

## Types:

DTR2EX 24/230V	DTR2EV 24/230V	DTR2EK 24/230V
DTR2EX 24/110V	DTR2EV 24/110V	DTR2EK 24/110V

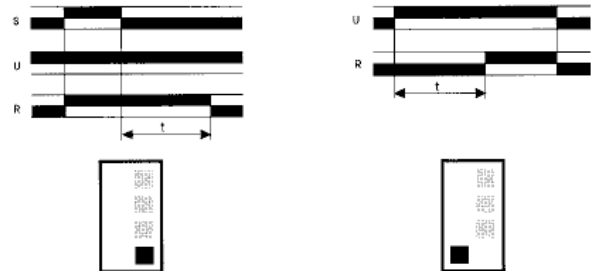
## Accessories:

Identification plate BS	Mounting plate MP
DIP-switch cover DA4	Retaining clip BU 370
Plug-in base TVE 12	Plug-in base TVE 11
also see Page 18	

## R off-delay

## E on-delay

### Function diagrams and function selection:



### Description of function:

The input voltage U must be applied continuously to the unit. When control contact S is closed, the output relays R energises immediately. If control contact S is opened, the set time t begins to run.

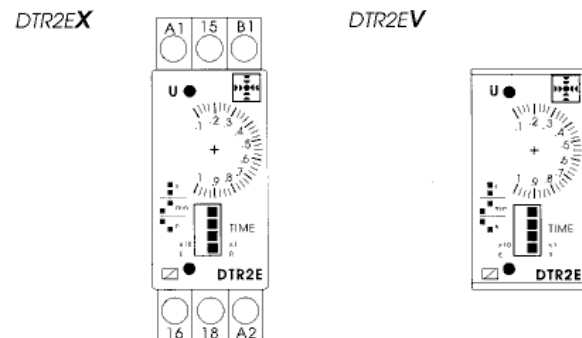
When time t has elapsed, output relay R1 returns to the off-position. If control contact S is closed again before time t expires, the time already elapsed is cancelled, and re-starts from zero on the next cycle.

When the input voltage U is applied, the set time t begins to run. When time t has elapsed, output relay R energises and remains on until the input voltage U is removed from the unit. If the input voltage U is removed from the unit before time t has elapsed, the time already elapsed is cancelled and re-starts from zero on the next cycle.

### Selection of time ranges:



### Front view:



### Connection:

