

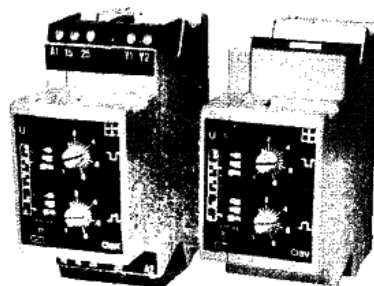


# Time relays Series *clip* C13X/C13V

- installation profile according to VDE 43 880
- 2 x 6 independently-set switched time ranges
- 18-264 V AC/DC zoom voltage

approvals:  TA 501 



## Technical Data:

**Supply voltages:**  
Continuously variable voltage: 24 to 240 V AC/DC

Acceptable voltage variation 0.75 to 1.1  $U_N$

Frequency range 45-65 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)  $\leq 1\%$   
Accuracy of adjustment  $\leq 5\%$   
Effect of temperature  $\leq 0.1\%/^{\circ}\text{C}$   
Reset time approx 100 ms

**Mechanical data/specifications:**  
Enclosure in self-extinguishing plastic  
Type of protection IP 40  
To meet the ÖVE-standards for household - applications require a 0.47  $\mu\text{F}$  capacitor.

**Type of connections:**  
Type X: Terminals up to 4 mm<sup>2</sup> with protection against accidental contact.  
Type V: 11-pin plug-in socket.

**Dimensions and standards:**  
3X: 78.6 x 35 x 66 mm (h x b x d)  
3V: 78.6 x 35 x 76 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. Type of protection IP20  
Protection against contact to VDE 0106 and VBG 4  
Terminal arrangement and connection markings to DIN 46 199

V: Mounting and connection via 11-pin screw or soldered plug.  
Fixing via retaining clip BU 351. Pin arrangement and connection markings to IEC 67-1-18a

**Output stage:**  
3X, 3V: 2 changeover

Max. switching voltage: 250 VAC/DC

Continuous current: max. 8 A  
Switching capacity: 230 V AC cos $\phi$  1 1500 VA

Contact life: 230 VAC 4 A resistive approx  $2 \cdot 10^6$  switching operations.  
Mechanical life: approx  $20 \cdot 10^6$  switching operations.

## Types:

C13X  
C13V

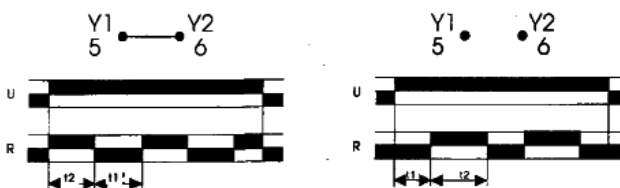
## Accessories:

Mounting plate MP                      Plug-in base TVE 11  
Dip-switch cover DA3                  Plug-in base TVE 12

II cyclic pulse first

Ip cyclic pause first

## Function diagram:



## Description of function:

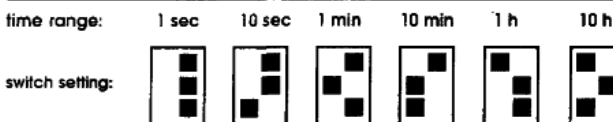
When input voltage U is applied, output relay R energises immediately and time t2 begins to run.

Then output relay R returns to the off-position, and remains off during time t1. The output relay R continues to operate in the set mark-space ratio for as long as the input voltage to the instrument is maintained.

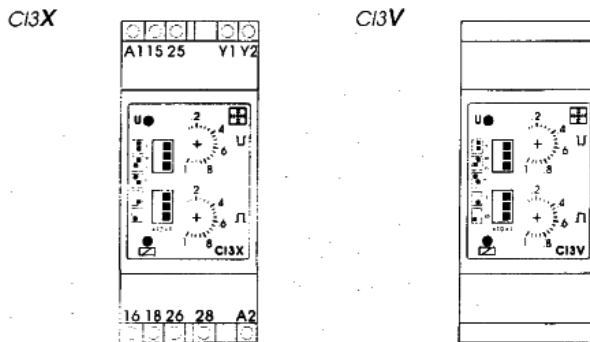
When input voltage U is applied, time t1 begins to run. Then the output relay R energises and remains on for time t2.

The output relay R continues to operate in the set mark-space ratio for as long as the input voltage to the instrument is maintained.

## Selection of time ranges



## Front view:



## Connection:

