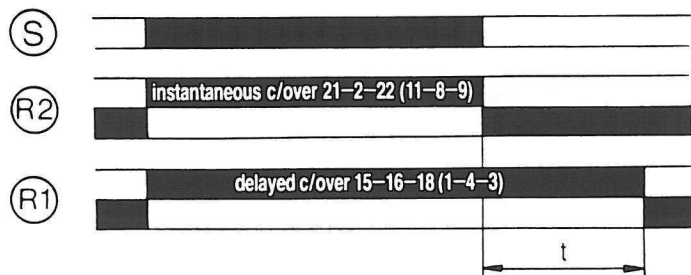


with 1 instantaneous change-over (without auxiliary voltage)

- LED-power on indication (green)

**Function: true off-delay with 1 instantaneous change-over (without auxiliary voltage)**  
 1 instantaneous change-over  
 1 delayed change-over



**Time ranges (switchable):**

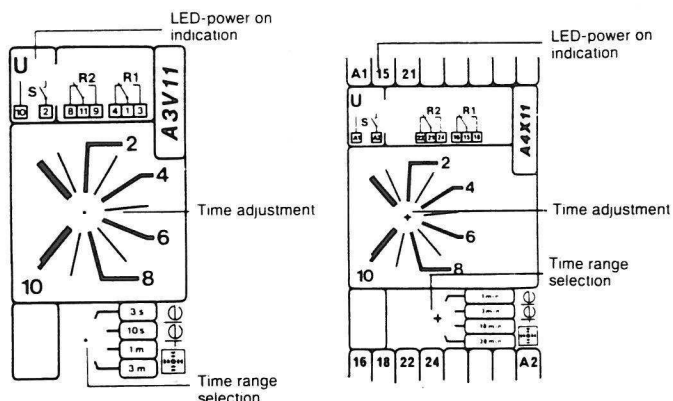
Version AS:	Version AL:
0.1 – 3 s	0.05 – 1 min
0.5 – 10 s	0.1 – 3 min
0.05 – 1 min	0.5 – 10 min
0.1 – 3 min	1 – 30 min

When the supply voltage (S) is connected to the supply terminals A1–A2 (2–10) the output relays (R1) and (R2) energise. Delay time  $t$  begins, and the instantaneous output relay (R2) drops out when the supply voltage is removed. At the end of the delay time  $t$  the delayed output relay (R1) drops out, and the timer resets automatically. The supply voltage must be connected for 100 ms or more to achieve the full time delay. If the supply voltage is re-connected during the delay time  $t$  the instantaneous output relay (R2) will re-energise, the remaining time will be cancelled, and the full delay time set will be available when the supply voltage is removed again.

**Accuracy:**

Repeat accuracy at constant conditions (% of full range)	1%
Voltage effect in range of 0.85 to 1.1 $U_N$	0.5%
Temperature effect	0.3%/°C
Reset time	100 ms
<b>Min. operating time</b>	<b>100 ms</b>

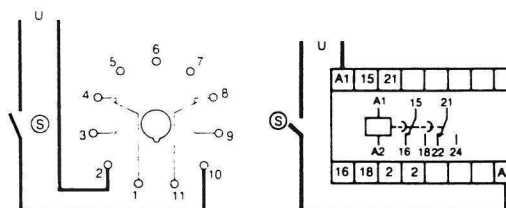
### Front panel:



### Connection:

**A3V11**

**A4X11**



### Technical data:

#### Supply voltages:

(can be chosen by plug-in power unit)  
 24, 42, 48, 110, 127, 220, 240, 380, 415, 440 V AC  
 24, 36, 42, 48 V AC/DC  
 6, 12, 60, 110, 125, 220 V DC  
 (max. remaining ripple factor 10%)

#### Nominal power consumption:

24 ... 440 V AC/4 VA  
 24 V AC/DC/2 VA, 36 V AC/DC/3 VA  
 42 V AC/DC/3.5 VA, 48 V AC/DC/4 VA  
 6 ... 220 V DC/3 W

Acceptable voltage variation 0.8 to 1.2  $U_N$   
 When using transformers 0.85 to 1.1  $U_N$

Frequency range 48–63 Hz

Duty cycle 100%, IEC class 1c

#### Environmental conditions:

Ambient temperature range  $-20^{\circ}\text{C}$  to  $+55^{\circ}\text{C}$   
 Climate resistance F according to DIN 40040

#### Mechanical data/classifications:

Housing with plug-in power supply, self-quenching plastic material protection class IP 40

#### Connections:

Series X: terminals shrouded to prevent human contact, max. 4 mm<sup>2</sup>  
 Series V: 11-pin socket  
 Series V8: 8-pin socket (on request)

**For standards and measurements,** comp. tabulation of housings on page 1

#### Classifications:

VDE 0435: dielectric strength 2000 V AC  
 VDE 0110: group C 250 V AC

#### Output:

Contact double pole change over

Contact voltage 380 V AC, 250 V DC

Permanent current max. 8 A

Contact rating 1500 VA

Electrical life 220 V AC 5 A resist. load appr.  $2 \cdot 10^5$  operations

Mechanical life  $\geq 20 \cdot 10^6$  operations

Contact material Ag gold plated