

Time relays Series *trend* DTE2WX/DTE2WV/DTE2WK

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

approvals:



Technical Data:

Supply voltages:

Dual voltage: 24VAC/DC and 230 VAC,
24VAC/DC and 110VAC

selected via links

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.

Mechanical data/specifications:

Enclosure in self-extinguishing plastic
protection class IP 40
To meet the ÖVE-standards for household-applications require a 0.68 μ F capacitor.

Type of connections:

Type X/K: Terminals up to 4 mm² with protection against
accidental contact.
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 mm² 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 $\geq 10^6$ switching operations.
Mechanical life: $\geq 20 \cdot 10^6$ switching operations.

Types:

DTE2WX 24/230V	DTE2WV 24/230V	DTE2WK 24/230V
DTE2WX 24/110V	DTE2WV 24/110V	DTE2WK 24/110V

Accessories:

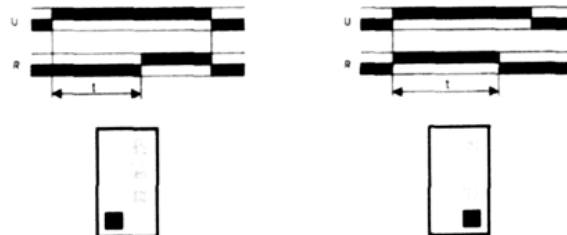
Identification plate BS	Mounting plate MP
DIP-switch cover DA4	Retaining clip BU 370
Plug-in base TVE 12	Plug-in base TVE 12

also see page 18

E on-delay

eW(U) single shot leading edge

Function diagrams and Function selection:



Description of function:

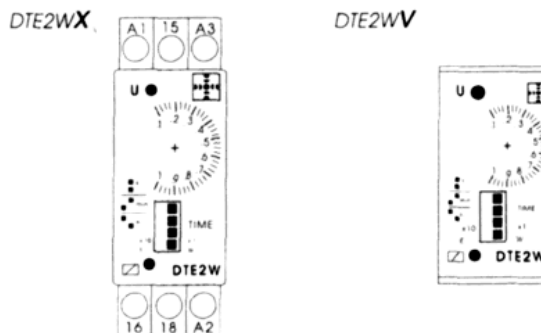
When input voltage U is applied, the set time t begins to run. When time t has elapsed, output relay R energises and remains on until the input voltage U is removed from the unit. If the input voltage U is removed from the unit before time t has elapsed, the time already elapsed is cancelled and re-starts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

When input voltage U is applied, output relay R energises immediately and set time t begins to run. When time t has elapsed, output relay R returns to the off-position. The input voltage U must be applied for longer than the set time t, for the function to be fully executed. If the input voltage U is removed from the unit before time t has elapsed, the time already elapsed is cancelled and re-starts at zero on the next cycle.

Selection of time ranges:



Front view:



Connection:

