



23 001 702 - 1



Analogue settable time relay
EAW12DX-UC

Only skilled electricians may install this electrical equipment otherwise there is the risk of fire or electric shock!

Temperature at mounting location:
-20°C up to +50°C.
Storage temperature: -25°C up to +70°C.
Relative humidity:
annual average value <75%.

Fleeting NO contact and fleeting NC contact,
1CO contact potential free 10 A/250 V AC.
Incandescent lamps 2000 W*. Standby loss
0.02-0.4 watt only.

Modular devices for DIN-EN 60715 TH35 rail
mounting. 1 module = 18 mm wide, 58 mm deep.
Different functions can be selected by a rotary
switch: fleeting NO contact (EW), fleeting NC
contact (AW) or fleeting NO contact and
fleeting NC contact (EAW).

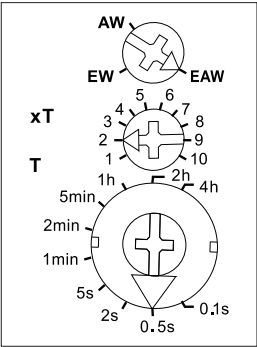
With the Eltako Duplex technology (DX)
the normally potential-free contacts can
still switch in zero passage when switching
230 V AC 50 Hz and therefore drastically
reduce wear. Simply connect the neutral
conductor to the terminal (N) and L to 15 (L)
for this. This gives an additional standby
consumption of only 0.1 Watt.

Universal control voltage 8 to 230 V UC.
Supply voltage same as the control voltage.
Time setting between 0.1 seconds and 40 hours.

By using a bistable relay coil power loss and
heating is avoided even in the on mode.

The switched consumer may not be connected
to the mains before the short automatic
synchronisation after installation has
terminated.

Function rotary switches



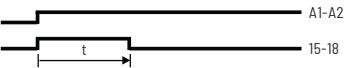
The LED below the big rotary switch indicates
the contact position while time-out is in
progress. It is OFF while the relay contact
15-18 is open (15-16 closed), and is continuously
ON as long as the relay contact 15-18 is closed
(15-16 open).

The time base T is selected by means of the
middle, latching rotary switch T. Time-base
figures available are 0.1 seconds, 0.5 seconds,
2 seconds, 5 seconds, 1 minute, 2 minutes,
5 minutes, 1 hour, 2 hours and 4 hours. The
total time is obtained by multiplying the time-
base by the multiplier.

The multiplier xT is set on the upper, latching
rotary switch xT and is in the range from 1 to 10.
Thus, time settings can be selected in the
range from 0.1 seconds (time base 0.1 seconds
and multiplier 1) and 40 hours (time base 4 hours
and multiplier 10).

* The maximum load can be used starting at
a delay time or clock cycle of 5 minutes.
The maximum load will be reduced for
shorter times as follows: up to 2 seconds
15%, up to 2 minutes 30%, up to 5 minutes
60%.

EW = Fleeting NO contact



When the control voltage is applied the
NO contact changes to 15-18 and reverts on
wiping time-out. If the control voltage is
removed during the wiping time the NO contact
immediately reverts to 15-16 and the residual
time is cancelled.

AW = Fleeting NC contact



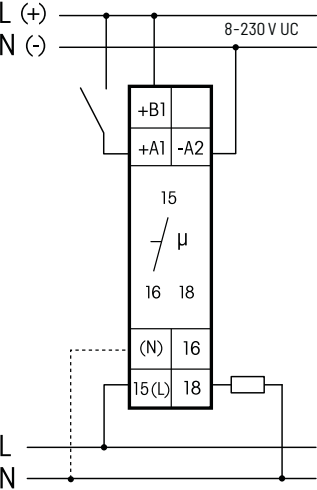
When the control voltage is interrupted the
NO contact changes to 15-18, and reverts on
wiping time-out. If the control voltage is
applied during the wiping time the NO
contact immediately reverts to 15-16 and the
residual time is cancelled.

EAW = Fleeting NO contact and fleeting
NC contact



When the control voltage is applied or
interrupted the relay contact changes to
15-18 and reverts after the set wiping time.

Typical connection



If N is connected, the zero passage switching
is active.

Technical data

Supply voltage and control voltage AC	8-253 V
Supply voltage and control voltage DC	10-230 V
Rated switching capacity	10 A/250 V AC
230 V LED lamps	up to 200 W I on ≤ 120 A / 5 ms
Incandescent lamp and halogen lamp load 230 V	2000 W I on ≤ 70 A / 10 ms



The strain relief clamps of the
terminals must be closed, that means
the screws must be tightened for
testing the function of the device.
The terminals are open ex works.

Must be kept for later use!

We recommend the housing for
operating instructions GBA14.

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