

Universal clock generator UZR 3T

SPECIAL FEATURES:

- Pulse length (duration) and interpulse interval separately adjustable
- Time adjustable from 0.1s to 100h
- Precise time setting by 10 selectable time ranges and infinitely variable rotary control
- Output contact potential-free (changeover)
- High contact load capacity (up to 16A)
- Wide input voltage range 10-250V (with universal voltage variant)

TECHNICAL DATA:

Operating voltage:

uzr3t4	24V UC +-10%
uzr3t9	230V AC +-10%
uzr3tu	10 to 250V UC

Power consumption approx. 0.6W (uzr3tu: 1W)

Adjustable time range 0.1s to 100h

Relay contact 1 changeover 16A 250V AC potential free

Contact load capacity see annex "Load capacity of the relay contacts"

Ambient temperature -10°C to +45°C
 Interference immunity compliant IEC 801-4 level 4
 Equipment protection compliant IEC 801-5 level 3
 Creepage / clearance compliant VDE 0110 Gr. C/250V

Insulated housing flameproof to VDE 0304 part 3, level FV 0

Connections socket terminals with captive screws M3.5

Installation position freely selectable
 Fixing clip fastening on 35 mm standard rail DIN EN 50022

External dimensions 18x88(45)x58mm

Installation depth 55 mm

Weight approx 80g

Colour (RAL) grey 7035 / green 6029

GENERAL:

The UZR 3T universal clock generator generates a clock signal (potential-free changeover contact), in which both the pulse duration and interpulse interval are separately adjustable (0.1s to 100h).

Consequently, wide pulse duration / interval ratios can be generated, e.g. a pulse of 0.1s every 100h.

To enable the operating times to be precisely set, each time value is set via a 10-step rotary control for the time range (0.1s to 10h) and an infinitely variable control for the multiplier (1 to 10).

The device starts either with a pulse or with an interpulse space (interval) as soon as the supply voltage is applied.

The UZR 3T is available both in two fixed-voltage variants (24V and 230V) and in a highly flexible universal voltage variant (10 to 250V).

APPLICATION:

Building automation, industrial control systems, solar systems, automotive systems etc.

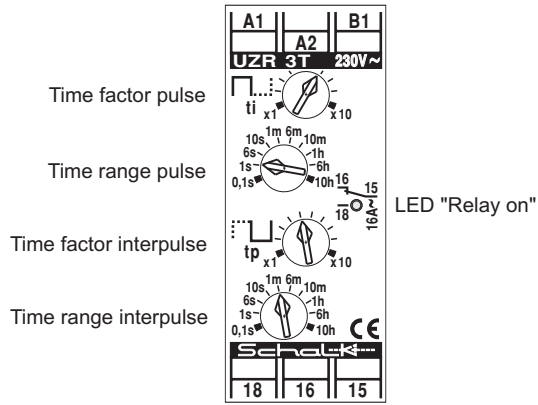
OPERATION:

After applying the supply voltage at A1 and A2, the UZR 3T generates a continuous clock signal (the relay is energized during the pulse time T_p and remains off during the interpulse "space" T_p etc.). If input B1 is open, the relay starts with a pulse. If B1 is bridged with A1, the relay starts with a space.

ORDERING INFORMATION:

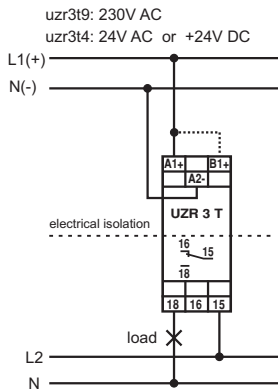
Part No.	Type	Description
uzr3t4	UZR 3T	Universal clock generator 24V UC
uzr3t9	UZR 3T	Universal clock generator 230V AC
uzr3tu	UZR 3T	Universal clock generator 10-250V UC

UZR 3T CONTROLS:

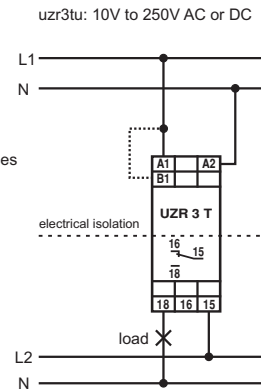


EXAMPLE CONNECTIONS:

Device variants for fixed voltage 24V or 230V

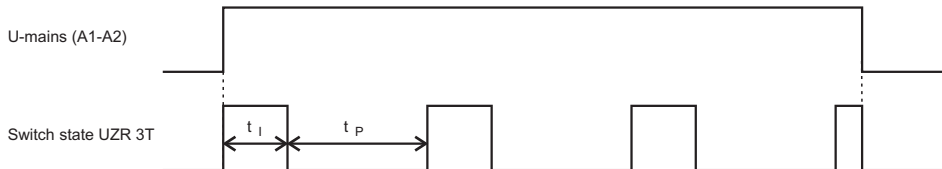


Device variant for universal voltage 10V to 250V



FUNCTION DIAGRAMS:

Clock generator with pulse start (B1- A1 open)



Clock generator with interpulse start (B1 - A1 bridged)

