



Electronic Multi-Range Time Relay

UZT 72 for single voltage

Function: ON-delay (AV)

1 setting range, divided into 4 time ranges

Contact equipment: 2 timed changeover

UZT 72

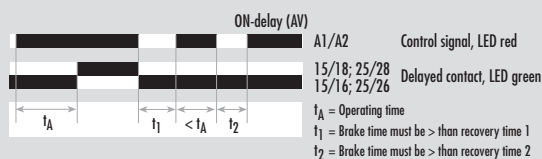
48 x 48



Function Diagram

FD 0026

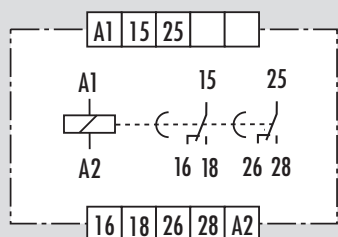
UZT 72



Connection Diagram

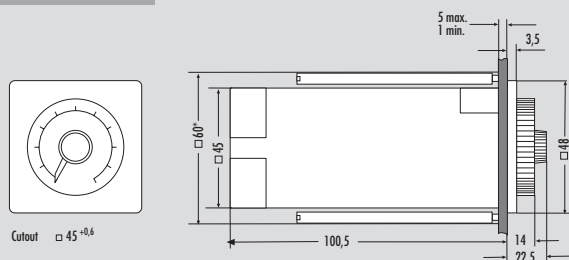
KS 0085/4

UZT 72



Dimensions

U 1-4



* same dimension when fixed on the side

Function

AV (see page U 4/3).

The setting of the time ranges is done on the timer's front by means of selector switches. Infinitely variable time setting within a range is carried out with the aid of a transparent rotary knob.

Product Description

The electronic multi-range time relay UZT 72 is available in 1 setting range, divided into 4 time ranges.

Setting Range	Time Range
0,15 s to 400 s divided into:	0,15 to 1,5 s
	0,6 to 6 s
	5 to 50 s
	40 to 400 s
or	
0,1 s to 1000 s divided into:	0,1 to 1 s
	1 to 10 s
	10 to 100 s
	100 to 1000 s
or	
1,5 s to 60 min divided into:	1,5 to 15 s
	0,1 to 1 min
	0,8 to 8 min
	6 to 60 min

Type	Standard voltage	Special voltage	Price Code
UZT 72 400 s	24 V AC/DC 110 c 127 V AC 220 V AC 230 V AC 50 to 60 Hz	42 V AC/DC 48 V AC/DC 60 V AC/DC 50 to 60 Hz	U 4/14.1
UZT 72 1000 s	24 V AC/DC 110 to 127 V AC 220 V AC 230 V AC 50 to 60 Hz	42 V AC/DC 48 V AC/DC 60 V AC/DC 50 to 60 Hz	U 4/14.2
UZT 72 60 min	24 V AC/DC 110 to 127 V AC 220 V AC 230 V AC 50 to 60 Hz	42 V AC/DC 48 V AC/DC 60 V AC/DC 50 to 60 Hz	U 4/14.3

Accessories

Lockable cover V 5

Price code for accessories see page U 4/36

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TECHNICAL DATA

FUNCTION according to DIN VDE 0435 Part 1 110:04.89

Function display Point 3.12
Function diagram

POWER SUPPLY

Rated voltage U_N V AC/DC
Rated voltage U_N V AC

Rated consumption at 50 Hz and U_N (AC) VA
Rated consumption at 50 Hz and U_N (AC) W
Rated consumption at U_N (DC) W
Starting current inrush A/ms
Rated frequency Hz
Operating voltage range

TIME CIRCUIT

Time setting/Number of time ranges
3 setting ranges available

s
s
s
s
s/min
min
ms
ms
% U_N
% ± 10 ms
% ± 10 ms
%/ % ΔU_N
%/K

Recovery time 1/2
Minimum switch-ON time
Release value
Permissible parallel load
Internal rectifier
Average of the error
Dispersion
Influence of the energizing quantity or supply voltage
Influence of the ambient temperature

OUTPUT CIRCUIT

Contact equipment
Contact material
Switching voltage U_n V AC/DC
Maximum continuous current I_n A
Application category according to EN 60947-5-1:1991

Permissible switching frequency switching cycles/h
Mechanical service life switching cycles
Response time ms
Release time ms

GENERAL DATA

Creepage and clearance distances between circuits according to DIN VDE 0110-1:04.97: rated surge voltage kV
Over voltage category III
Contamination level 3 outside, 2 inside
Design voltage V AC 250
Test voltage U_{eff} 50 Hz acc. to DIN VDE 0110-1, Table A.1 kV 2,21
Protection class housing/terminals acc. to DIN VDE 0470 Sec. 1:11.92 IP 30/IP 20
Radiated noise EN 50081-1:03.93, -2:03.94
Noise immunity EN 50082-2:1995

Ambient temperature, working range °C -20 to +60
Dimensions U 1-4
Connection diagram KS 0085/4
Weight kg 0,11
Accessories lockable cover V 5
Approvals page i.4

GENERAL TECHNICAL SPECIFICATIONS

UZT 72

Electronic multi-range time relay
for single voltage

ON-delay time relay
1 LED green, 1 LED red
FD 0026

24	42	48	60	110-127	220	230
1,9	1,8	1,9	1,7	2,8	4,6	5,0
1,7	1,6	1,7	1,4	1,4	1,6	1,7
1,3	1,4	1,4	1,0			
1,5/1,5	1,8/1	1,6/1	1,7/1	1,6/5	1,5/5	1,5/5

50 to 60
0,8 to 1,1 x U_N

analog/4
1. setting range 0,1 to 1000 s
divided into:
0,1 to 1; 1 to 10; 10 to 100;
100 bis 1000
2. setting range 0,15 to 400 s
divided into:
0,15 to 1,5; 0,6 to 6; 5 to 50;
40 bis 400
3. setting range 1,5 s to 60 min
divided into:
1,5 s to 15 s; 0,1 min to 1 min;
0,8 to 8; 6 to 60
ca. 35/ca. 70

-
≥ 15
yes
no
diagram 4, page i.5
≤ ± 0,5
≤ 0,02
≤ 0,025

2 timed changeover
Ag-alloy; gold-plated
230/230
5
AC-15 U_e 230 V AC, I_e 2 A
DC-13 U_e 24 V DC, I_e 2 A
6000
30 x 10⁶
-
ca. 25