ke – DRN

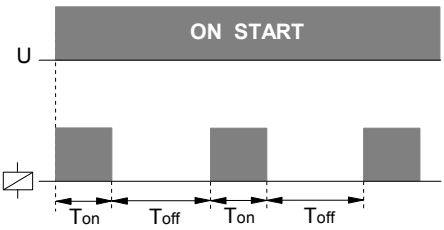
MULTI RANGE, DOUBLE TIME ADJUSTED FLASHER RELAY

- ► 8 Items of ON time mode and
- ► 8 Items of OFF time mode selection
- ► 230 Vac or 24 V ac/dc

General:

It is microprocessor controlled.8 different ON (operating) time interval and 8 different OFF (stand by) time interval mode selection can be made by the use of the dip-switch situated near the equipment. The selection of the ON and OFF time intervals are handled one by one.

ke-DRN1



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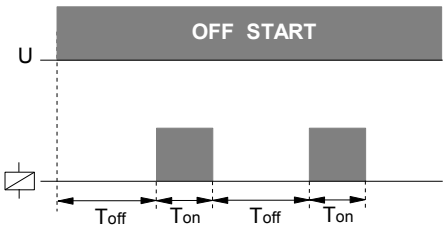
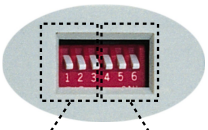




OFF	ON
5 sec 123	5 sec 456
10 sec 123	10 sec 456
30 sec 123	30 sec 456
60 sec 123	60 sec 456
5 m 123	5 m 456
10 m 123	10 m 456
30 m 123	30 m 456
60 m 123	60 m 456

► **THE TIME INTERVAL SELECTION:**

The switches,numbered **1,2,3** of the dip-switch are used at the selection of the OFF time interval, the switches numbered **4,5,6** are used at the selection of the ON time interval. Below is the time selection table for ON and OFF conditions.

► **THE TIME ADJUSTMENT SCALER:**

The scale of the adjustment potentiometer located on the equipment, is set between 0,01 to 1.When you select your adjustment with the dip-switch,it can be adjusted at the range specified by the interval mode,by the steps of 1%.

Example 1:

OFF
6 sec. – 10 min.

Let's select the OFF (stand by) time interval as above and adjust the value of the T(off) potentiometer to 0,7.

ON
0,6 sec. – 60 sec

Let's select the ON (operating) time interval as above and adjust the T(on) potentiometer to 0,3.In this case,we can calculate the ON and OFF periods.

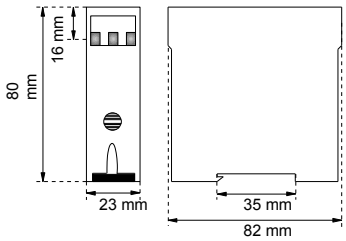
T(off) = 0,7 x 10 minutes = 7 minutes (The 10 minutes in the formula is the maximum value of the OFF time selected by the dip-switch)
T(on) = 0,3 x 60 seconds = 18 sec. (The 60 sec. in the formula is the maximum value of the ON time selected by the dip-switch)

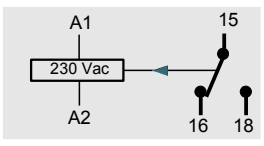
You may adjust;the OFF time with 6 second steps (the minimum value specified by the dip-switch indicates the adjustment step value),the ON time though,with 0,6 sec. Steps).

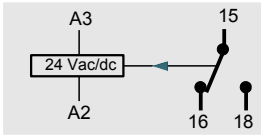
NOTE: During the operation of the relay,you may change the time interval selections and potentiometer adjustment.In this case,it continues to evaluate the new selections.

TECHNICAL DATA:

Operational Voltage (Un)	
A1 – A2 terminals	: 230 Vac
A3 – A2 terminals	: 24 Vac or 24 Vdc
Operating Range	: (0.8 – 1.1)xUn (Un nominal voltage)
Frequency	: 50/60 Hz
Contact Current	: Max. 5 A / 240 VAC
Power Consumption	: < 8 VA
Device Protection Class	: IP20
Connector Protection Class	: IP00
Ambient Temperature	: -5°C....+50°C
Connection Type	: To connection rail in electrical panel
Dimensions	: 23x82x80 mm







Simple Connection :