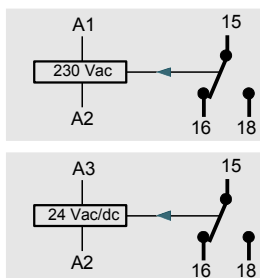


# ke - ZRXX

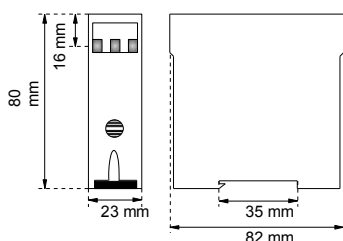
## MULTI FUNCTION TIME RELAY

- ▶ 32 Time Interval Selection
- ▶ Off - On Delay Operation Selection
- ▶ 230 Vac or 24 V ac/dc



### TECHNICAL DATA:

Operational Voltage (Un)  
 A1 - A2 terminals : 230 Vac  
 A3 - A2 terminals : 24 Vac or 24 Vdc  
 Operating Range :  $(0.8 - 1.1) \times U_n$   
 (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

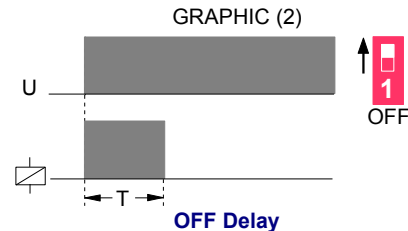
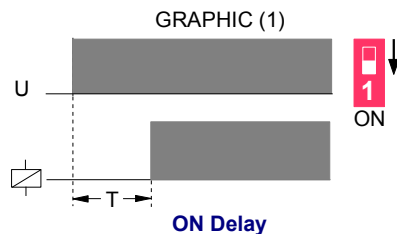


### General:

It is microprocessor controlled. It is possible to make 32 different time interval selections by using the dip-switch that is located near the equipment. Also, on-off start mode is selectable.

### ▶ OPERATIONAL MODE SELECTION:

The dip-switch, numbered as 1, determines the operational mode. If it is adjusted to the on position, the equipment starts in on-delay mode (graphic 1). While in the off position, it starts in off-delay mode (graphic 2).



### ▶ TIME INTERVAL SELECTION:

You may select the desired time interval by using the 2,3,4,5,6 numbered switches of the dip-switch that are at the side of the equipment. The time selection table is given below.

Min - Max	Min - Max	Min - Max	Min - Max
0,1 - 1sec	0,7 - 70sec	12 sec - 20 min	1 min - 100 min
0,1 - 5sec	0,8 - 80sec	18 sec - 30 min	2 min - 200 min
0,1 - 10sec	0,9 - 90sec	24 sec - 40 min	3 min - 5 hrs
0,2 - 20sec	1 - 100sec	30 sec - 50 min	6 min - 10 hrs
0,3 - 30sec	2 - 200sec	36 sec - 60 min	9 min - 15 hrs
0,4 - 40sec	3 sec - 5 min	42 sec - 70 min	12 min - 20 hrs
0,5 - 50sec	6 sec - 10 min	48 sec - 80 min	15 min - 25 hrs
0,6 - 60sec	9 sec - 15 min	54 sec - 90 min	18 min - 30 hrs

### ▶ THE TIME ADJUSTMENT SCALER:

The scaler of the adjustment potentiometer located over the equipment, is set from 0,1 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:



If you had already selected the time interval mode above, in the situation of the potentiometer becoming maximum, the relay would have counted 100 sec; while in minimum, it would have counted 1 sec. You can do your adjustment at steps of 1 sec. (The min. value in the table is the adjustment step period)

Example 2:



At this time interval, though you can do your adjustment in the of 12 sec. to max.1200 sec=20 minutes, by the steps of 12 sec (The min. value in the table is the adjustment step period). If you adjust the potentiometer to the 0,4 point on the scaler, the time counted by the equipment, will be calculated in the following manner.  
**Time = 0,4 x 20 min = 8 minutes** (The 20 minute value in the formula is the maximum value of the time interval that you have selected with the dip-switch).

### Simple Connection :

