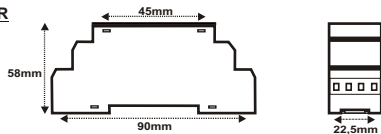
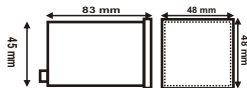


## Dimensions

SZR



KZR 48-M2



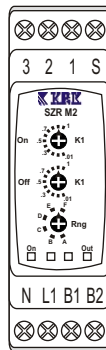
**KARACA®**

**KRK®**

**29601**  
9001.2008

## MULTI RANGE ASYMMETRICAL FLICKER

**SZR M2  
KZR 48-M2**



# User Guide

UG-15/REV.00

## General Specifications

It is based microprocessor and 6 range for asymmetrical flicker, Range can be adjusted from front panel.

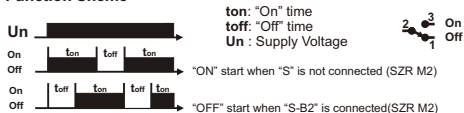
1) **On Time (k1)** : On time multiplier can be adjustable between 0,01 to 1

2) **Off Time (k2)** : Off time multiplier can be adjustable between 0,01 to 1

3) **Range** : Gives the range of asymmetrical work.

When the device is energised "pwr" led and "OUT" led is on. Relay is on ( 2-3 contacts short cut ) till the adjusted time "ON" time relay remains on then "OUT" led is off and relay is off ( 1-2 contacts are short cut ) and remains till the adjusted "OFF" time and "OUT" led is on. This continues in cycle.

### Function Sheme



(Range)	Max. Times ON <sub>max</sub> / OFF <sub>max</sub>	Time Adjustment	
		ON	OFF
A	60 sec / 60 sec	k1 x 60 sec	k2 x 60 sec
B	10 m / 60 sec	k1 x 10 m	k2 x 60 sec
C	60 m / 60 sec	k1 x 60 m	k2 x 60 sec
D	10 m / 10 m	k1 x 10 m	k2 x 10 m
E	60 m / 60 m	k1 x 60 m	k2 x 60 m
F	10 h / 10 h	k1 x 10 h	k2 x 10 h

**Example:** C Range is chosen "ON" time can be adjusted between 0,6m..60m "OFF" time can be adjusted 0,6sec..60sec

Note: 1) For range recognition relay should be re-energised.  
2) " ton" ,"toff" adjustment can be done during the usage.

## Technical Specifications:

**Supply voltage** :SZR M2: 220 Vac  $\pm$  %20 ( L - N )  
: 24 Vac/dc  $\pm$  %10 ( N , B1 )

**Ranges** :SZR M2 : 220 Vac  $\pm$  %20 ( L - N )  
A : 60 sec / 60 sec / D : 10 m / 10 m  
B : 10 m / 60 sec / E : 60 m / 60 m  
C : 60 m / 60 sec / F : 10 h / 10 h

**Power Consumption** : < 7 VA  
**Ambiant Temperature** : -5°C...+55 °C  
**Contacts Type** : Relay, 1 CO, 10A /250 Vac (Omron)  
**Electrical Connectors** : PCB Connectors (2,5 mm<sup>2</sup> )  
**Connection** : Vertical inside panel or DIN 35 rail  
**Weight** : 0,09kg

### Connection Schemes

