

## Relay

# KG316T Time Relay

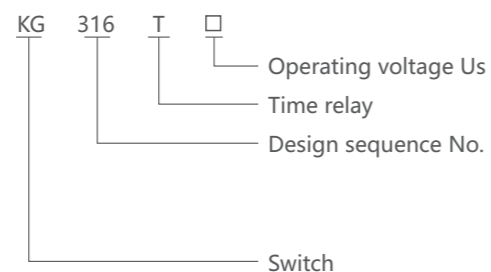


KG316T

### General

Time Switch is control element with time as control unit and can automatically turn on or turn off power supply of various consumer equipments according to preset time by user. The controlled objects are circuit equipments and household appliances such as street lamps, neon lamps, advertising lamps, manufacturing equipments, broadcast & television equipments, etc., which requires turning on and off at definite time.

### Type designation



### Technical data

Rated insulation voltage  $U_i$ : AC380V  
 Rated control voltage: AC110V, AC220V, AC380V  
 Usage category:  $U_e$ : AC110V/AC220V/AC380V;  $I_e$ : 6.5 A / 3 A / 1.9 A;  $I_{th}$ : 10 a; Ac-15  
 Protection degree: IP20  
 Pollution degree: 3  
 Load power: resistive load: 6kW; Inductive load: 1.8KW; Motor load: 1.2KW; Lamp load: 0.9KW

Operating mode	Time automatic control
Rated operating current	AC-15 3A
Rated operating voltage	AC220V 50Hz/60Hz
Electrical life	$\geq 10000$
Mechanical life	$\geq 30000$
Times of ON/OFF	16 opens & 16 closes
Battery	AA size battery (replaceable)
Timing error	$\leq 2s/day$
Ambient temperature	$-5^{\circ}C \sim +40^{\circ}C$
Installation mode	Guide rail type, wall-mounted type, unit style
External dimension	120x77x53

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### Wiring diagram

Wiring for direct control mode:

direct control mode can be used for electrical apparatus which is single-phase power supply and its power consumption doesn't exceed rated value of this switch. See Figure 1 for wiring method;

Wiring for single-phase dilatancy mode:

it is required a AC contactor with larger capacity than electrical apparatus power consumption for dilatancy when the controlled electrical apparatus is single-phase power supply, whereas its power consumption exceeds rated value of this switch.

See Figure 2 for wiring method;

wiring for three-phase operation mode:

if the controlled electrical apparatus is three-phase power supply, it is required to externally connect three-phase AC contactor.

See Figure 3 for wiring, control contactor @ AC220V coil voltage, 50Hz;

See Figure 4 for wiring, control contactor @ AC 380V coil voltage, 50Hz

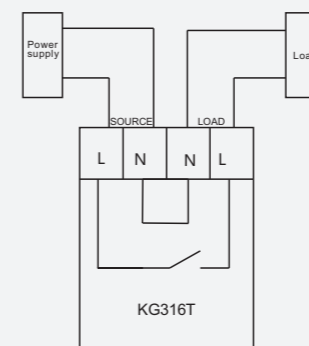


Figure 1

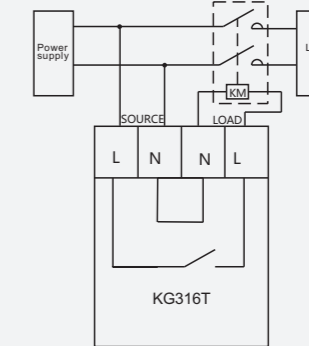


Figure 2

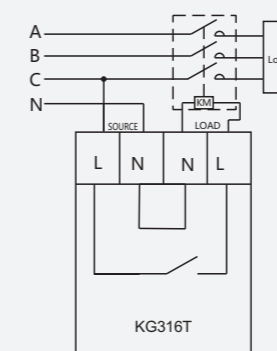


Figure 3

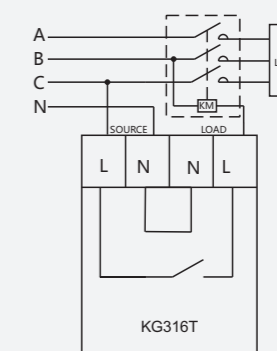


Figure 4

### Overall and mounting dimensions(mm)

