



KG316T Series Time Switches

1. General

KG316T series time switch is mainly used in automatic control circuits with AC 50Hz/60Hz, rated control supply voltage up to 220V and rated operating current up to 3A, for the purpose of timed connect and disconnect control for lamppost, advertising light boxes, etc.

Standards:IEC/EN 60947-5-1.

2. Technical data

| | |
|---|--|
| Rated control supply voltage Us,frequency | AC220V,50Hz/60Hz AC380V,50Hz/60Hz |
| Allowable fluctuation range of rated control power supply voltage | 85%Us~110%Us |
| Operating method | Manually opened, manually closed, automatic switch |
| Number of programmable groups | 16 groups |
| Battery | AAA size battery (replaceable) |
| Time control range | 1min~168h |
| Timing error | ±2s/d |
| Contact number | 1NO contact |
| Other function | Delayed sleep function, auto-calibration function |
| Contact capacity | Ue/Ie:AC-15 240V/3A;AC-12 240V/30A; Ith:30A |
| Electrical life /mechanical life(10,000 times) | 10/100 |
| Ambient temp | -5°C ~ +40°C |
| Installation method | Equipped(KG316T) Equipped, rail mounting, wall mounting(KG316T-D) |

3. Overall and mounting dimensions (mm)

3.1 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;

3.2 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;

3.3 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;

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

b. See Figure 4 for wiring, control contactor @ AC380V coil voltage, 50Hz.



4. Overall and mounting dimensions (mm)

Figure 1

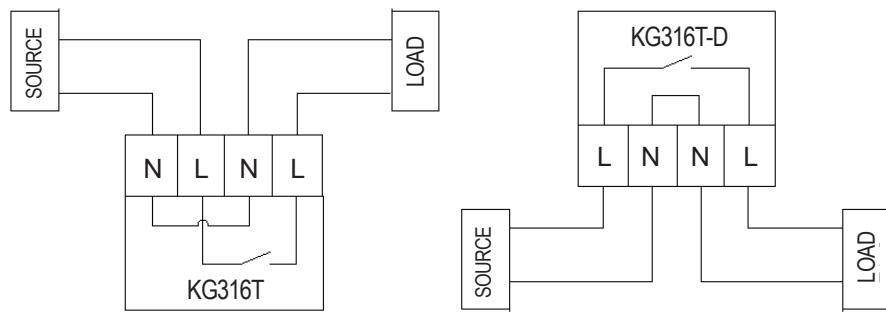


Figure 2

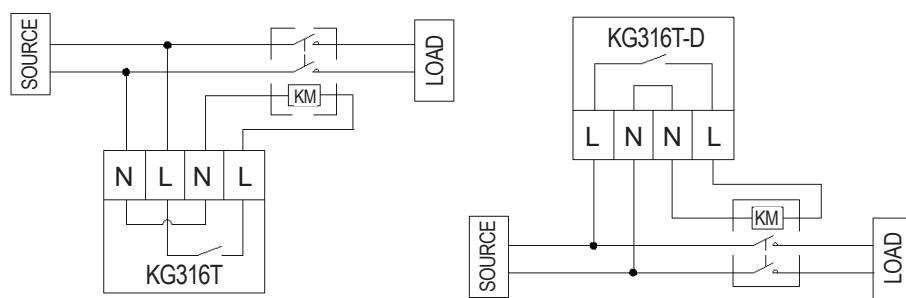


Figure 3

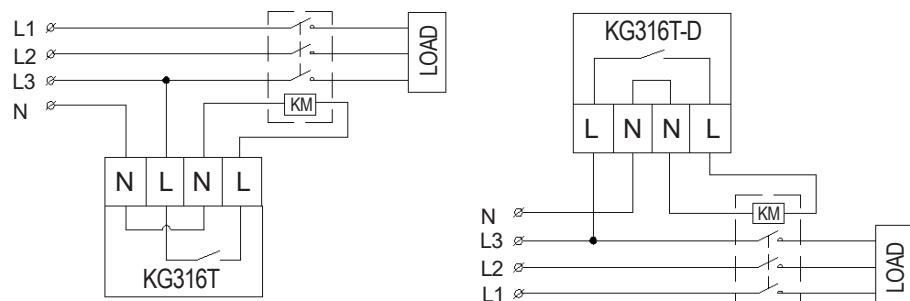


Figure 4

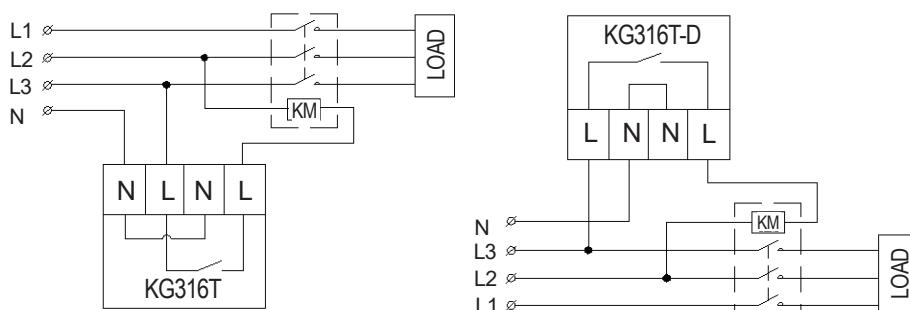


Figure 5

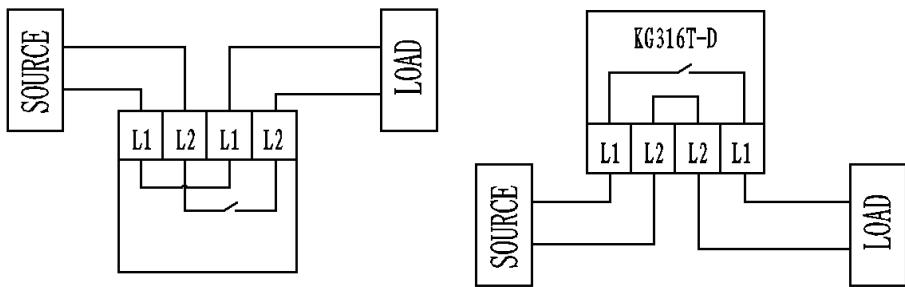


Figure 6

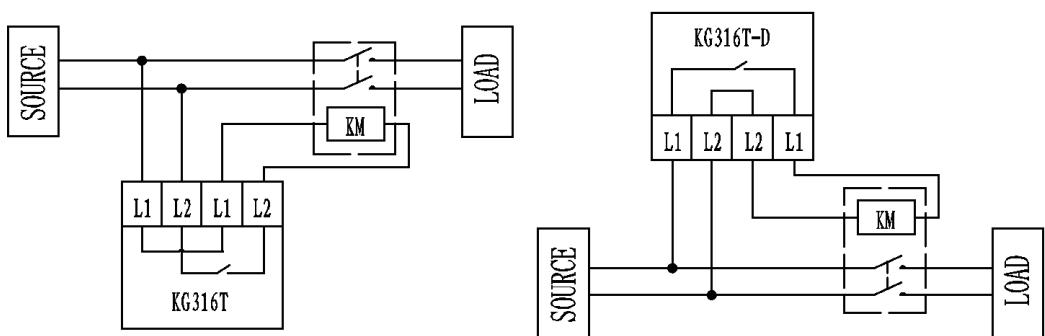
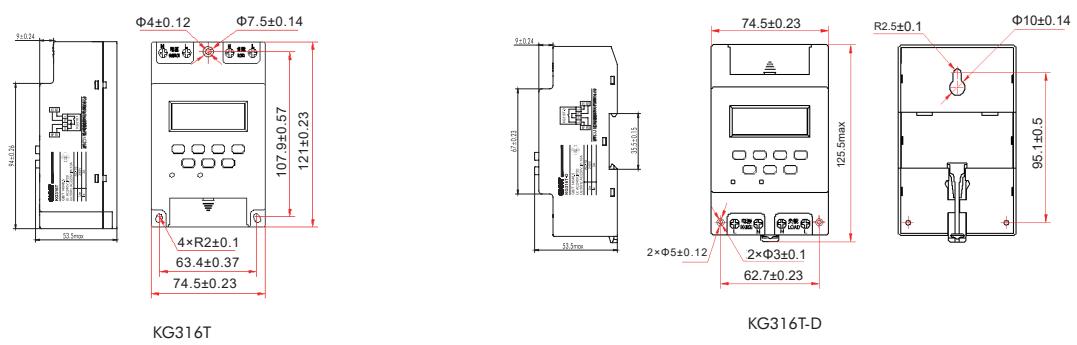
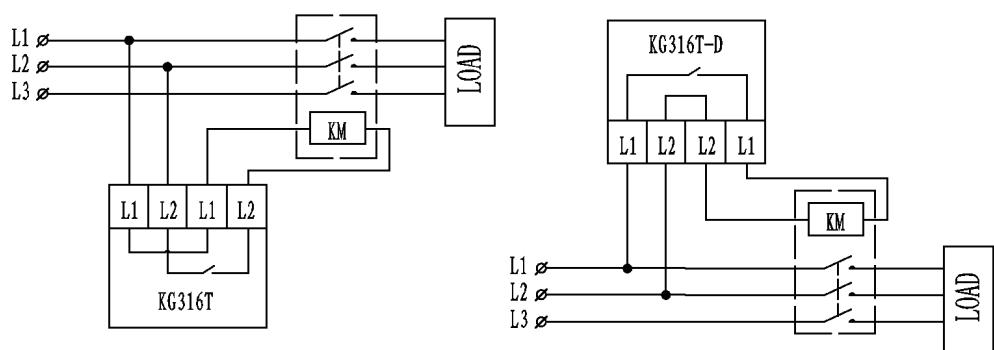
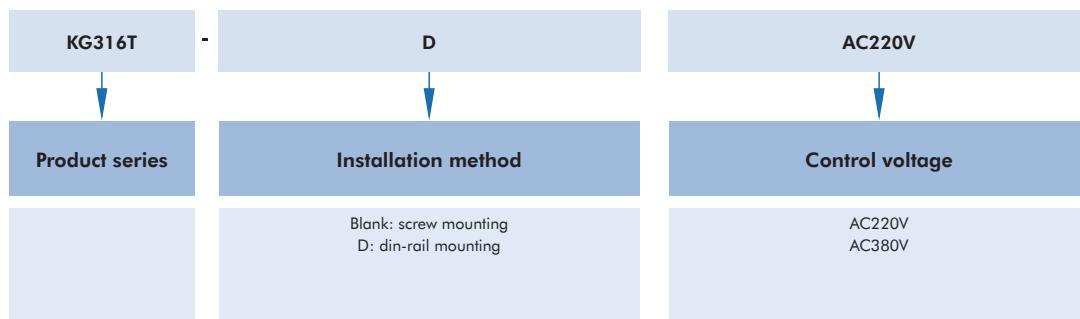


Figure 7





| Control voltage | Contact ability | Programming group | Description | Code |
|-----------------|------------------|-------------------|--------------------------|--------|
| AC220V | 240V/3A, Ith:30A | 16 groups | KG316T AC220V | 309010 |
| AC380V | 240V/3A, Ith:30A | 16 groups | KG316T AC380V | 391859 |
| AC220V | 240V/3A, Ith:30A | 16 groups | KG316T-D AC220V | 199877 |
| AC380V | 240V/3A, Ith:30A | 16 groups | KG316T-D AC380V | 391860 |
| AC230V | 240V/3A, Ith:16A | 16 groups | NKG3 16-ON 16-OFF AC230V | 310031 |

