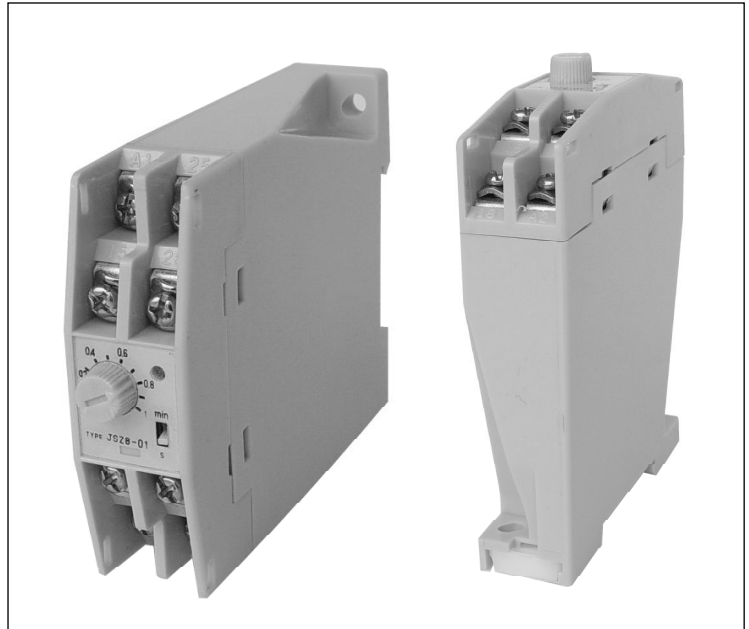


# JSZ8

## ELECTRICAL TIME DELAY RELAY 电子式时间继电器

JSZ8系列电子式时间继电器是在消化吸收国外先进技术的基础上开发的新产品，具有体积小、延时精度高、可靠性好、寿命长等特点，产品符合GB14048和DIN标准，可与国外同类产品互换使用。适合在交流50/60Hz，电压至240V或直流电压至48V的控制电路中作时间控制元件，按预定的时间接通或分断电路。产品获得CCC认证。

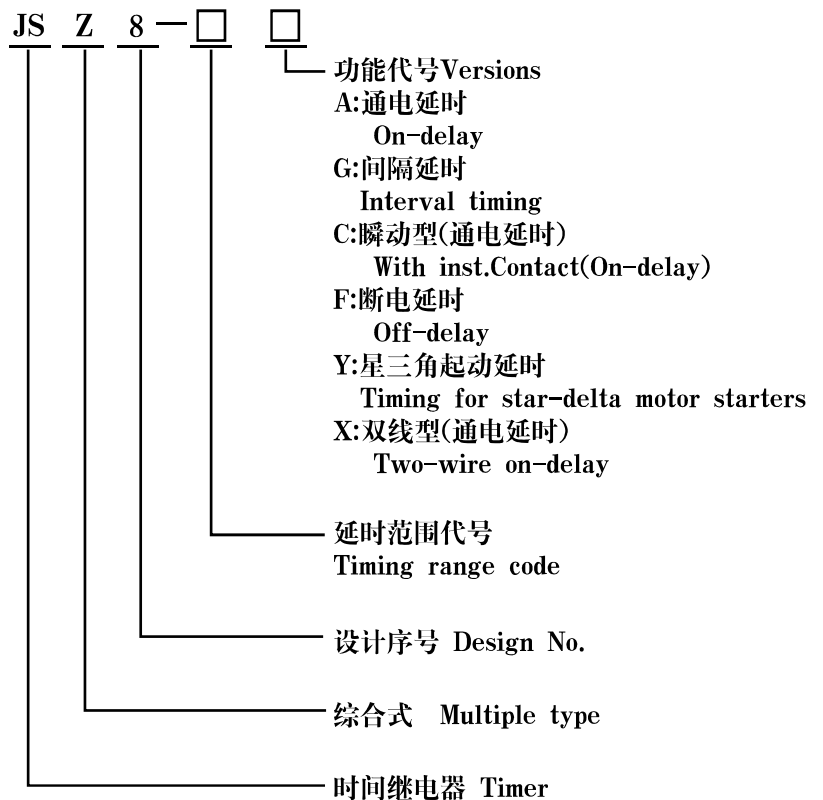
JSZ8 series electrical time delay relay is new type product, which are designed on the basis of absorbing the overseas advanced technology. It has specialties of small size, high timing accuracy, high reliability, long life, etc. It can be used for timing control units, which make and break circuits according to setting time. The product is in compliance with the standard of GB14048 and DIN. The product acquires with the attestation of CCC.



### 特点 Feature

- 采用大规模集成电路，保证了高精度
- 规格品种齐全，有通电延时型、间隔延时型、瞬动型、断电延时型、星三角启动延时型、双线型等
- 外形尺寸为22.5 × 75mm，符合DIN标准
- 适用于装置式安装及35mm标准导轨安装，带有动作指示灯
- 用平螺丝刀能方便地整定时间
- High accuracy because of the exclusive use of LSI.
- Variety of versions, which are on-delay, interval, with inst. contacts, off-delay, timing for star-delta motor starters, two-wire on-delay, etc.
- The dimensions are in compliance with DIN-sized (22.5 × 75mm).
- Track mounting (meeting DIN EN 50022) and surface mounting (meeting DIN 46 121 mounting pitch) are possible.
- Equipped with an LED timing-operating indicator. Simple time setting with a flatbed screwdriver.

### 型号含义 Type number nomenclature



### 规格品种 Specifications

型号 Type	JSZ8-A	JSZ8-G	JSZ8-C	JSZ8-F	JSZ8-Y	JSZ8-X
触点数量 Contact	延时2转换 Timed 2PDT	延时2转换 Timed 2PDT	延时1转换/瞬 动1转换 Timed SPDT/ Inst.SPDT	延时1转换 Timed SPDT	延时星三角转换 Timed Y-△	可控硅无触点输出 SCR output
触点容量 Contact ratings	AC-12: 220V 3A AC-15: 220V 0.5A DC-12: 24V 3A DC-13: 24V 0.5A	AC-12: 220V 3A AC-15: 220V 0.5A DC-12: 24V 3A DC-13: 24V 0.5A	AC-12: 220V 3A AC-15: 220V 0.5A DC-12: 24V 3A DC-13: 24V 0.5A	AC-12: 220V 3A AC-15: 220V 0.5A DC-12: 24V 3A DC-13: 24V 0.5A	AC-12: 220V 3A AC-15: 220V 0.5A DC-12: 24V 3A DC-13: 24V 0.5A	5mA~1A
延时范围 Timing range	01: 0.1~1s/1min 02: 0.5~5s/5min 03: 1~10s/10min 04: 3~30s/30min 05: 6~60s/60min	01: 0.1~1s/1min 02: 0.5~5s/5min 03: 1~10s/10min 04: 3~30s/30min 05: 6~60s/60min	01: 0.1~1s/1min 02: 0.5~5s/5min 03: 1~10s/10min 04: 3~30s/30min 05: 6~60s/60min	11: 0.1~1s 13: 0.5~5s 14: 1~10s 15: 2.5~30s 16: 5~60s	1~10s 3~30s 6~60s 0.3~3min 0.5~5min	01: 0.1~1s/1min 02: 0.5~5s/5min 03: 1~10s/10min 04: 3~30s/30min 05: 6~60s/60min
额定电压(Us) Input voltage	AC24,110,220V DC24,48V	AC24,110,220V DC24,48V	AC24,110,220V DC24,48V	AC24,110,220V DC24,48V	AC24,110,220V	AC/DC 24~240V 85~240V

注: 其他规格产品需特殊订货生产。 Note: Manufactured of the others on request.

### 技术参数 Technical data

型号 Type	JSZ8-A	JSZ8-G	JSZ8-C	JSZ8-F <sup>*1</sup>	JSZ8-Y <sup>*2</sup>	JSZ8-X
重复误差 Repeat accuracy	<1%+20ms	<1%+20ms	<1%+20ms	<1%+20ms	<1%+20ms	<1%+20ms
整定误差 Setting error	<10%	<10%	<10%	<10%	<10%	<10%
复位时间 Reset time	60ms(Max)	60ms(Max)	60ms(Max)	---	500ms(Max)	60ms(Max)
绝缘强度 Dielectric strength	电路与大地Electric circuit:AC2000V 1min 电气回路间Between all elements: AC1500V 1min 同组触点间Between open contacts: AC1000V 1min					
绝缘电阻 Insulation resistance	100MΩ (DC500V)	100MΩ (DC500V)	100MΩ (DC500V)	100MΩ (DC500V)	100MΩ (DC500V)	100MΩ (DC500V)
额定功耗 Power consumption	AC 10VA DC 1.5W	AC 10VA DC 1.5W	AC 10VA DC 1.5W	AC 10VA DC 1.5W	AC 10VA DC 1.5W	----
机械寿命 Mechanical life	1×10 <sup>7</sup>	1×10 <sup>7</sup>	1×10 <sup>7</sup>	1×10 <sup>7</sup>	1×10 <sup>7</sup>	----
电寿命 Electrical life	12×10 <sup>4</sup> (AC-12); 15×10 <sup>4</sup> (AC-15) 10×10 <sup>4</sup> (DC-12); 15×10 <sup>4</sup> (DC-13)					
产品重量 Net weight	110g	110g	110g	110g	110g	110g

注Note: \*1: JSZ8-F的最短通电时间为500ms。The least power-on time of JSZ8-F is 500ms.

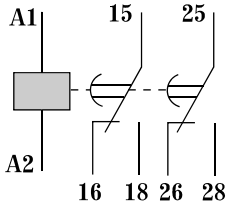
\*2: JSZ8-Y的星三角转换时间为50/100ms。the changing time of star to delta of JSZ8-Y is 50/100ms.

# JSZ8

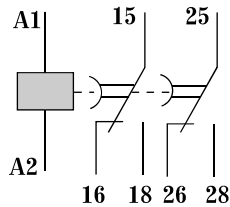
## ELECTRICAL TIME DELAY RELAY 电子式时间继电器

### 接线图 Wiring diagrams

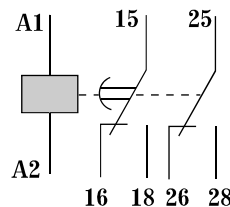
#### ● JSZ8-A



#### ● JSZ8-G

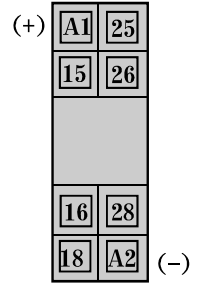


#### ● JSZ8-C

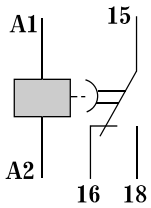


#### 端子排列

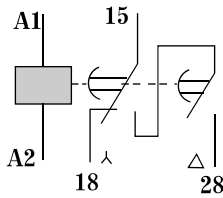
#### Terminal assignment



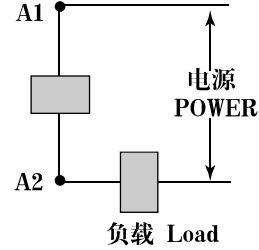
#### ● JSZ8-F



#### ● JSZ8-Y



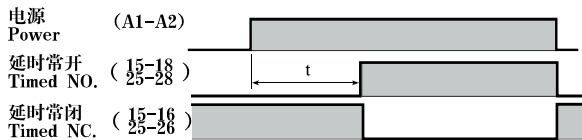
#### ● JSZ8-X



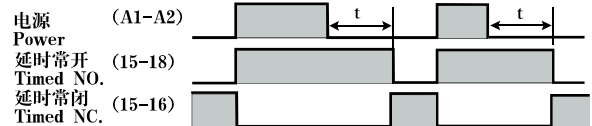
(端子方向观测Top view)

### 延时波形 Timing diagrams

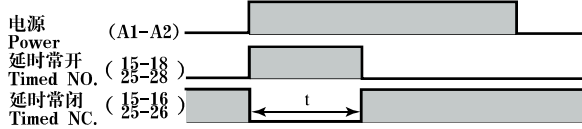
#### ● JSZ8-A



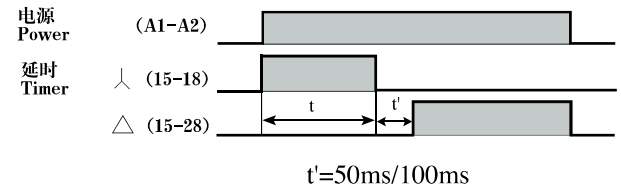
#### ● JSZ8-F



#### ● JSZ8-G

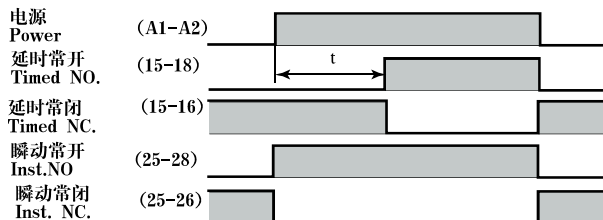


#### ● JSZ8-Y

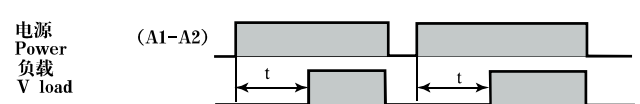


t'=50ms/100ms

#### ● JSZ8-C

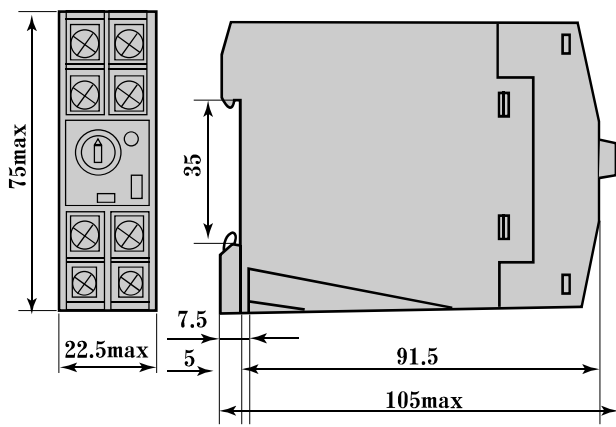


#### ● JSZ8-X

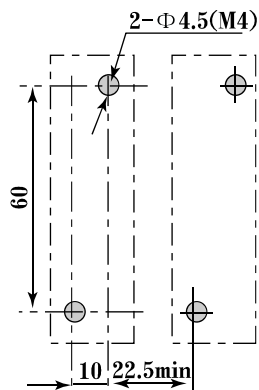


### 外形尺寸及安装尺寸

Dimensions, mm/Sockets



### 安装尺寸 Panel drilling



适用于35mm标准导轨安装

Mounting track width 35mm IEC standard

### 工作条件 Operating conditions

周围空气温度 Allowable ambient temp.	-10 ~ +55 °C
相对湿度 Relative air humidity	<90%(+25 °C)
污染等级 Pollution degree	污染等级 2 级 Pollution degree 2
振动 Vibration	10 ~ 55Hz, 0.5mm
冲击 Shock	5g

### 延时范围的转换

Changing the timing range

JSZ8系列时间继电器具有二档不同的延时范围（JSZ8-F, Y除外），可以由时间继电器前部的转换开关很方便地设定。

JSZ8-Y型时间继电器前部的转换开关不是延时范围转换开关，而是星三角转换时间设定开关。可以设定50ms或100ms二档。

JSZ8 series (exclude JSZ8-F, Y) timers have 2 different timing range. The required timing range is easily selected by means of a changeover switch.

The changeover switch of the JSZ8-Y isn't for delay range but for the setting time of star to delta change. It can be setting on two scales, 50ms and 100ms.

### 使用注意事项 Precautions of use

- JSZ8-F的最短通电时间应大于500ms。
- JSZ8-X应与负载串联后使用，严禁直接连接电源。
- 重复延时，两次间的休止时间应大于60ms（JSZ8-Y: 500ms）
- The power-on time of JSZ8-F should be more than 500ms.
- JSZ8-X should be seriesed with load. It is not allowed to connect with power supply directly.
- When repeatedly operating the timer, the interruption time between operating cycles should be more than 60ms (JSZ8-Y: 500ms).