

JSS20

DIGITAL TIME DELAY RELAY 数字式时间继电器



JSS20系列数字式时间继电器是一种新型的计时继电器，具有延时范围广、延时精度高、触点容量大、寿命长等特点，采用拨码开关整定延时范围和时间单位，由4位LED显示延时过程，适用于交流50/60Hz，电压至380V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。产品符合GB14048和DIN标准，可与国外同类产品互换使用。产品获得CCC,UL认证。

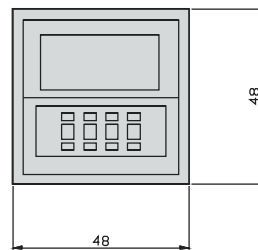
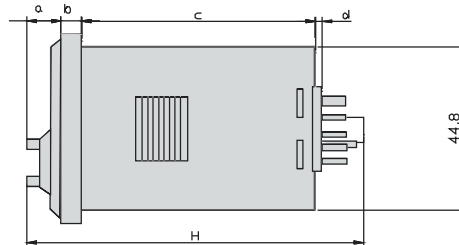
JSS20 series digital time delay relay is new type timer. It has specialties of wide timing range, high timing accuracy, long life, etc. The required timing range and time unit are easily selected by means of thumb-wheel switch. It can be used for timing control units, which make and break circuits according to setting time. The product is in compliance with the standard of GB14048 and DIN. It can be in place of same kind product of overseas. The product acquires with the attestation of CCC,UL.

型号含义 Type number nomenclature

JSS20-□□□

- 控制信号输入代号
Control signal input
- 无标志: 无复位及门控
No code: No reset & gate
- 1: 带复位及门控, 1转换
With reset & gate, SPDT
- 2, 3: 带复位及门控, 2转换
With reset & gate, 2PDT
- 显示方式代号Indicator
- E: 4位数字显示 (递增)
Digital display (up)
- F: 4位数字显示 (递减)
Digital display (down)
- T: 3位数字显示 (派生型)
Digital display (derived)
- 无标志: 发光二极管指示
No code: LED indication
- 功能代号Versions code
- A: 通电延时On-delay
- G: 间隔延时Interval timing
- C: 瞬动型(通电延时)
With inst. Contact (on-delay)
- R: 往复循环延时
On-off repetitive
- 设计序号Design No.
- 数字式Digital type
- 时间继电器Timer

外形尺寸及安装尺寸 Dimensions, mm



型号 Type	H max	a	b	c	d
JSS20-A、C、G 及JSS20-R DC产品	91	5	6	64	1.5
JSS20 AC产品	101	5	6	73	1.5

规格品种 Specification

型号 Type		延时范围 Timing range	延时形式 Operation	额定电压 (Us) Rated input voltage
发光二极管指示 LED indication	数字显示 (递增) Digital display (up)			
—	JSS20-AE	JSS20-AF	通电延时 On-delay 瞬动型(通电延时) On-delay, with inst. contact 间隔延时 Interval	AC110,220V 50/60Hz DC24V
—	JSS20-AE1	JSS20-AF1		
—	JSS20-AE2	JSS20-AF2		
—	JSS20-AE3	JSS20-AF3		
—	JSS20-CE	JSS20-CF		
—	JSS20-GE	JSS20-GF	间隔延时 Interval	
JSS20-R	—	—	往复循环延时 On-off repetitive	AC110,220V 50/60Hz DC24V
—	JSS20-AT ^{*1}	—	通电延时 On-delay	
JSS20-A	—	—	通电延时 On-delay	
JSS20-C	—	—	瞬动型(通电延时) On-delay, with inst. contact	
JSS20-G	—	—	间隔延时 Interval	

注 1: 其他规格产品需特殊订货生产。

Others need manufacturing on request.

技术参数 Technical data

型号 Type	JSS20-A	JSS20-AT JSS20-AE□ JSS20-AF□	JSS20-C	JSS20-CE JSS20-CF	JSS20-G JSS20-GE JSS20-GF	JSS20-R
延时误差 Timing error	< 0.5% +20ms	< 0.05%+50ms	< 0.5% +20ms	< 0.05% +50ms	< 0.05% +50ms	< 0.05% +50ms
复位时间 Reset time	500ms	1s ^{*1}	1s	1s	1s	1s
触点数量 Contact	延时 2 转换 ^{*2} Timed 2PDT		延时 1 转换, 瞬动 1 转换 Timed SPDT, Inst. SPDT		延时 2 转换 Timed 2PDT	
触点 容量	AC-12	220V 5A	220V 3A		220V 5A	
	AC-15	220V 2A	220V 0.5A		220V 2A	
触点 ratings	DC-12	24V 5A	24V 3A		24V 5A	
	DC-13	24V 1A	24V 0.5A		24V 1A	
绝缘强度 Dielectric strength	电路与大地 Between circuit and ground : AC2000V 1min 电气回路间 Between all element: AC1500V 1min 同组触点间 Between contacts of the same ground : AC1000V 1min					
绝缘电阻 Insulation resistance	100MΩ		100MΩ		100MΩ	
额定功耗 Rated power consumption	AC 220V 5VA AC 110V 2.5VA DC 24V 1.5W					
机械寿命 Mechanical life	1×10 ⁷		1×10 ⁷		1×10 ⁷	
电寿命 Electrical life	12×10 ⁴		10×10 ⁴		12×10 ⁴	

*1: JSS20-AT 直流规格的复位时间为 0.2s。

*2: JSS20-AE(F)1 为延时1转换

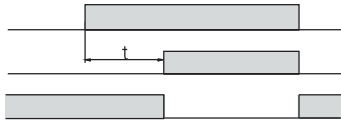
JSS20

DIGITAL TIME DELAY RELAY 数字式时间继电器

延时波形 Timing diagrams

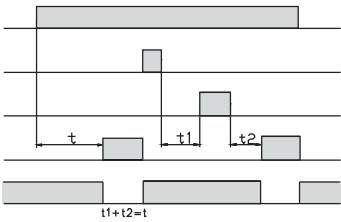
• JSS20-A□

- 电源 (2-7)
- Power (2-7)
- 延时常开 (1-3)
- Timed No (8-6)
- 延时常闭 (1-4)
- Timed NC (8-5)



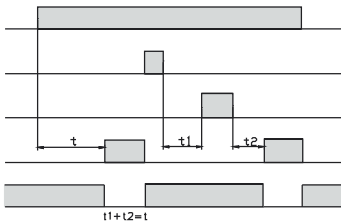
• JSS20-A□1

- 电源 (2-7)
- Power (2-7)
- 复位 (1-3)
- Reset (1-3)
- 暂停 (1-4)
- Gate (1-4)
- 延时常开 (8-6)
- Timed No (8-6)
- 延时常闭 (8-5)
- Timed Nc (8-5)



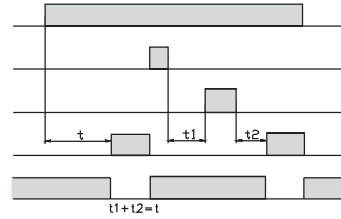
• JSS20-A□2

- 电源 (2-10)
- Power (2-10)
- 复位 (6-7)
- Reset (6-7)
- 暂停 (6-5)
- Gate (6-5)
- 延时常开 (1-3)
- Timed No (11-9)
- 延时常闭 (1-4)
- Timed Nc (11-8)



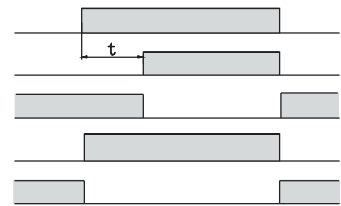
• JSS20-A□3

- 电源 (2-10)
- Power (2-10)
- 复位 (1-3)
- Reset (1-3)
- 暂停 (1-4)
- Gate (1-4)
- 延时常开 (5-6)
- Timed No (8-9)
- 延时常闭 (5-7)
- Timed Nc (8-11)



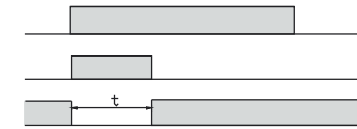
• JSS20-C□

- 电源 (2-7)
- Power (2-7)
- 延时常开 (8-6)
- Timed NO (8-6)
- 延时常闭 (8-5)
- Timed NC (8-5)
- 瞬时常开 (1-3)
- Inst. No (1-3)
- 瞬时常闭 (1-4)
- Inst. Nc (1-4)



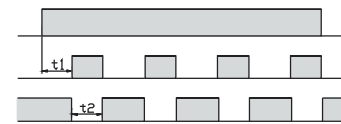
• JSS20-G□

- 电源 (2-7)
- Power (2-7)
- 延时常开 (1-3)
- Timed No (8-6)
- 延时常闭 (1-4)
- Timed NC (8-5)



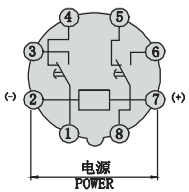
• JSS20-R

- 电源 (2-7)
- Power (2-7)
- 延时常开 (1-3)
- Timed No (8-6)
- 延时常闭 (1-4)
- Timed NC (8-5)

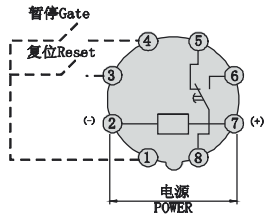


接线图 Wiring diagrams

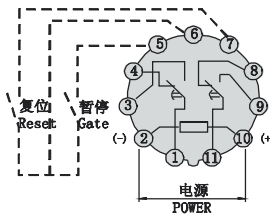
• JSS20-A□



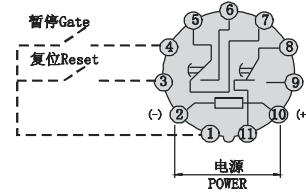
• JSS20-A□1



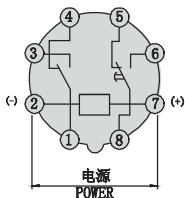
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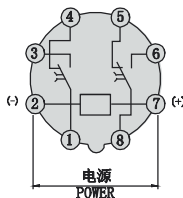
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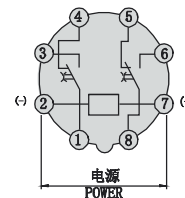
• JSS20-C□



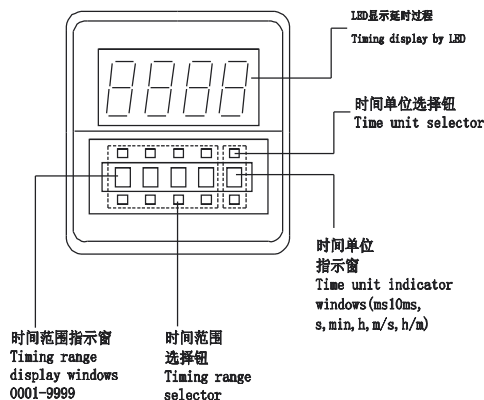
• JSS20-G□



• JSS20-R



数字式时间继电器DIGITAL TIME DELAY RELAY



延时范围转换 Changing the timing range

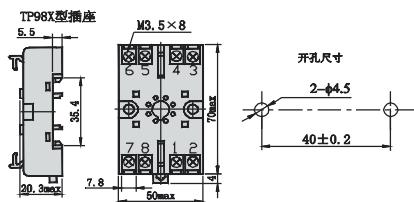
JSS20 系列时间继电器采用4位拨码开关设定延时范围
1位拨码开关选择时间单位。当需要改变整定时间数值时，按最右面1位拨码开关可以选择需要的时间单位，时间单位有八档（0.001s, 0.01s, 0.1s, s, min, h, m/s, h/m），前面的4位拨码开关是时间范围选择开关，选择范围为0001~9999。时间单位0.001s时最小延时时间为20ms。

配套插座 Socket

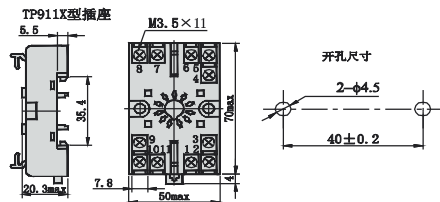
时间继电器	导轨安装	面板安装		
		附件	焊接式插座	螺钉式插座
JSS20—AE2, AE3 AF2, AF3	TP911X	TX9	ATX2NS	TP911SB
其它规格产品	TP98X	TX9	ATX1NS	TP98SB

装置/导轨安装 Surface/Track mounting

- TP98X 导轨式插座 Track mounting socket
安装尺寸 mounting dimension

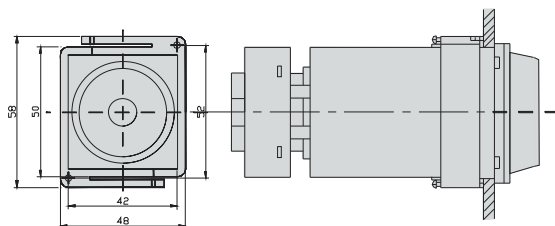


- TP911X 导轨式插座 Track mounting socket
安装尺寸 mounting dimension

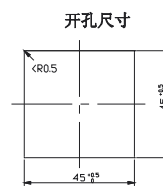


面板安装 Flush mounting

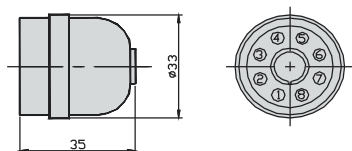
- TX9 附件 Adapter



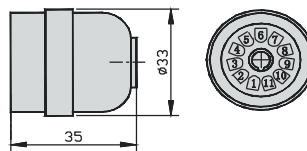
开孔尺寸 Panel cutting



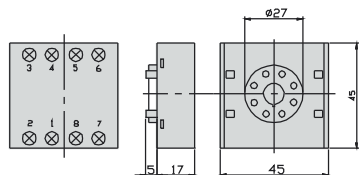
- ATX1NS 焊接式插座 Soldering socket



- ATX2NS 焊接式插座 Soldering socket



- TP98SB 螺钉式插座 Screw socket



- TP911SB 螺钉式插座 Screw socket

