

**Square D™ General Purpose Plug-In**



9050JCK46V20

9050JCK timing relays are designed to provide low-cost timing in a plug-in housing. The Types JCK11 thru 59 provide ±1% repeat accuracy. The Types JCK60 and 70 offer ±0.1% repeat accuracy. These timers are directly interchangeable with many other 8 and 11 pin tube base timers.

- Up to ±0.1% repeat accuracy
- Timing from 0.05 seconds to 999 hours
- Available in 5 timing modes
- DPDT contacts (2 N.O. and 2 N.C.)
- 10 A contact rating
- Transient protected
- Hold down spring available
- Variable or fixed time delay
- Horsepower rated
- RoHS compliant

**Table 23.142: Variable Time Delay**

Knob Adjustable Timing Range	On Delay	\$ Price	Off Delay	\$ Price	Off Delay Power Trigger	\$ Price	Interval	\$ Price	One Shot	\$ Price	One Shot Power Trigger	\$ Price	Repeat Cycle	\$ Price
0.1–10 seconds	JCK11Δ	78.00	JCK21Δ	98.00	JCK21PTΔ	98.00	JCK31Δ	78.00	JCK41Δ	98.00	JCK41PTΔ	98.00	JCK51Δ	140.00
0.3–30 seconds	JCK12Δ	78.00	JCK22Δ	98.00	JCK22PTΔ	98.00	JCK32Δ	78.00	JCK42Δ	98.00	JCK42PTΔ	98.00	JCK52Δ	140.00
0.6–60 seconds	JCK13Δ	78.00	JCK23Δ	98.00	JCK23PTΔ	98.00	JCK33Δ	78.00	JCK43Δ	98.00	JCK43PTΔ	98.00	JCK53Δ	140.00
1.2–120 seconds	JCK14Δ	78.00	JCK24Δ	98.00	JCK24PTΔ	98.00	JCK34Δ	78.00	JCK44Δ	98.00	JCK44PTΔ	98.00	JCK54Δ	140.00
1.8–180 seconds	JCK15Δ	78.00	JCK25Δ	98.00	JCK25PTΔ	98.00	JCK35Δ	78.00	JCK45Δ	98.00	JCK45PTΔ	98.00	JCK55Δ	140.00
0.1–10 minutes	JCK16Δ	87.00	JCK26Δ	107.00	JCK26PTΔ	107.00	JCK36Δ	87.00	JCK46Δ	107.00	JCK46PTΔ	107.00	JCK56Δ	147.00
0.3–30 minutes	JCK17Δ	87.00	JCK27Δ	107.00	JCK27PTΔ	107.00	JCK37Δ	87.00	JCK47Δ	107.00	JCK47PTΔ	107.00	JCK57Δ	98.00
0.6–60 minutes	JCK18Δ	87.00	JCK28Δ	107.00	JCK28PTΔ	107.00	JCK38Δ	87.00	JCK48Δ	107.00	JCK48PTΔ	107.00	JCK58Δ	98.00
1.2–120 minutes	JCK19Δ	87.00	JCK29Δ	107.00	JCK29PTΔ	107.00	JCK39Δ	87.00	JCK49Δ	107.00	JCK49PTΔ	107.00	JCK59Δ	98.00

- ▲ Two dials are provided for independently adjustable repeat cycle timing ranges.
- Initiating contact can be up to 50 feet from the timer.

**Table 23.143: Fixed Time Delay**

Timing Mode	Type	Timing Range (seconds)	\$ Price
On Delay	JCK1F(XXXX)◆Δ	0.1 to 180	78.00
		181 to 3600	87.00
Off Delay ▼	JCK2F(XXXX)◆Δ	0.1 to 180	98.00
		181 to 3600	107.00
Off Delay with Power Trigger	JCK2F(XXXX)PT◆Δ	0.1 to 180	98.00
		181 to 3600	107.00
Interval	JCK3F(XXXX)◆Δ	0.1 to 180	78.00
		181 to 3600	87.00
One Shot▼	JCK4F(XXXX)◆Δ	0.1 to 180	98.00
		181 to 3600	107.00
One Shot with Power Trigger	JCK4F(XXXX)PT◆Δ	0.1 to 180	98.00
		181 to 3600	107.00
Repeat Cycle	JCK5F(XXXX)◆★Δ	0.1 to 180	140.00
		181 to 3600	147.00

- ◆ (XXXX) denotes the timing period in seconds. Example: Class 9050 Type JCK1F60 is an On Delay timer fixed at 60 seconds.
- ★ Fixed repeat cycle timers can be supplied with the same or different On-Time and Off-Time.
- ▼ Initiating contact can be up to 50 feet from the timer.
- Δ Voltage code must be specified to order this product. Refer to standard voltage codes listed below and insert as shown in How To Order.

**Class 8501 Sockets**

For sockets, see page 23-14  
For DIN rail, see page 24-16

**For all 9050JCK timers:**

With appropriate 8501NR Socket:



Without Socket



**Table 23.144: Voltage Codes**

Voltage	Code
12 Vdc	V36
24 Vac/Vdc	V14
48 Vac/Vdc	V17
120 Vac/110 Vdc	V20
240–50/60 Vac	V24

**Table 23.145: Contact Ratings**

AC Volts	AC Amperes					hp	DC Volts	DC Amperes		
	Inductive 35% P.F.			Res. 75% P.F. Make Break and Continuous	Make			Break	Res. Make Break and Continuous	
	Make	Break	Continuous							
120	30	3	10	10	1/3	28	3	3	10	
240	15	1.5	10	10	1/2					

**AC15 / B300 (NO/NC)  
DC13 / R300 (NO)**

**Type JCK60**

This On Delay timer uses a 5 position rotary switch to select the timing range. The three pushbutton thumbwheels are used to select the time value.

**Table 23.146: Selection and Pricing**

Timing Modes	Timing Ranges	Type	\$ Price
On Delay	.01s	JCK60Δ	152.00
	0.05–9.99 seconds		
	0.1s		
	0.01–99.9 seconds		
	S		
	001–999 seconds		
	0.1m		
	0.01–99.9 minutes		
M	001–999 minutes		
0.1h	0.01–99.9 hours		
H	001–999 hours		



**Type JCK70**

Two 5 position rotary switches are used to select the timing mode and timing range. The three pushbutton thumbwheels are used to select the time value.

**Table 23.147: Selection and Pricing**

Timing Modes	Timing Range	Type	\$ Price
On Delay	Same as JCK60	JCK70Δ	173.00
Off Delay			
Interval			
One Shot			
Repeat Cycle□			

- The repeat cycle mode utilizes the same on-time and off-time.



**Table 23.148: Class 8501 Hold Down Spring**

For use on Class 9050 Type JCK Timers	Class	Type	\$ Price ea.
Hold down spring holds timer in socket during heavy vibration. (See 9050JCK with 8501NH7 photo at the top of this page.)	8501	NH7	8.30

**Table 23.149: How to Order**

To Order Specify:	Catalog Number		
• Class Number	9050	JCK11	V20
• Type Number			
• Voltage Code			