KRPS Series Single Function
Time Delay Relay (10A SPDT)

US Patent 6708135

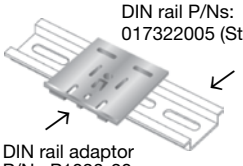
- Choose 1 of 14 Standard Functions
- Factory Programmed
- Microcontroller Circuitry, +/-0.5% Repeat Accuracy
- Isolated 10 A SPDT Output Contacts
- Universal Voltage 24...240 V AC/DC
- Delays from 100 ms...1000 h in 9 Ranges
- Onboard, External Adjust or Fixed Time Delay

Complete Product Details:
http://www.ssac.com/pp1.htm

Accessories

100K Ohm External adjust potentiometer
P/Ns:
P1004-95 (fig A)
P1004-95-X (fig B)

Versa-knob
P/N: P0700-7



DIN rail P/Ns:
017322005 (Steel)

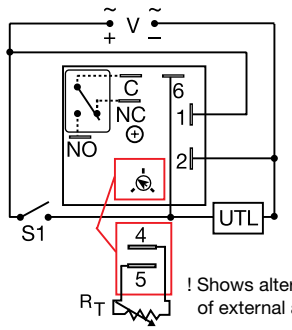
DIN rail adaptor
P/N: P1023-20

See accessory pages

The KRPS Series is a factory programmed time delay relay available in any 1 of 14 functions and measures only 2 inches square. Modules are manufactured without the function assigned. When an order is received, the function and time delay software are added. This approach provides fast QuickShip delivery on all time ranges and functions. Encapsulation protects against shock, vibration, and humidity. The KRPS Series is a cost effective approach for OEM applications that require small size, isolation, accuracy, and long life.

Choose from 1 of 14 standard single functions, fixed or onboard or external adjustment, and 9 time ranges. All available through the QuickShip program.

Connection



! Shows alternate location of external adjust

V = Voltage C = Common, Transfer Contact
NC = Normally Closed NO = Normally Open
S1 = Initiate Switch UTL = Untimed Load

A knob is supplied for adjustable units, or RT terminals 4 & 5 for external adjust. Select a 100K ohm potentiometer for full time range adjustment. The untimed load is optional. S1 is not used for some functions. Dashed lines are internal connections.

**Function Chart

	Code
Delay On Make	M
Delay On Break	B
Recycle (ON Time First, Equal Times)	RE
Recycle OFF Time First, Equal Times)	RD
Single Shot	S, SD
Interval	I
Trailing Edge Single Shot	TS
Inverted Single Shot	US
Inverted Delay On Break	UB
Accumulative Delay on Make	AM
Motion Detector / Retriggerable Single Shot	PSD, PSE
Alternating Relay	FT
Flip Flop (leading edge)	F

See page 9 for function time diagrams

Technical Data

Output	
Rating (at 40°C)	10 A resistive at 125 V AC 5 A resistive at 230 V AC & 28 V DC 1/4 hp at 125 V AC
Mechanical	
Mounting	Surface mt. with one #10 (M5 x 0.8) screw
Package	2 x 2 x 1.21 in. (50.8 x 50.8 x 30.7 mm)
Termination	0.25 in. (6.35 mm) male quick connects

Ordering Table

KRPS **Series**

X **Input**
- A - 24 ... 240 V AC/DC
- D - 12 ... 48 V DC†

X **Adjustment**
- 1 - Fixed
- 2 - Onboard Adjustment
- 3 - External Adjustment

X **Time Delay***
- 1 - 0.1 ... 10 s
- 2 - 1 ... 100 s
- 3 - 10 ... 1000 s
- 4 - 0.1 ... 10 m
- 5 - 1 ... 100 m
- 6 - 10 ... 1000 m
- 7 - 0.1 ... 10 h
- 8 - 1 ... 100 h
- 9 - 10 ... 1000 h

X **Function****
Specify Function (Refer to Function Chart for Code)

†**Note:** Grayed option is available in standard lead time.

* If Fixed Delay is selected, insert delay [0.1 ... 1000] followed by (S) secs., (M) mins., or (H) hrs.

Example P/N:
KRPSA23RE = Universal AC/DC voltage, onboard adjustment, 10...1000 sec., recycling, ON time first
KRPSA10.5SI = Universal AC/DC voltage, fixed delay of 0.5 sec., interval function

KRPSpp 12.28.07