Product Description

- MOSFET Output
- Low Impedance
- Panel Mounted
- LED Indicator
- RoHS Compliant

Ordering Information

KSJD	30	D	10	-24
KSJD Series	Load Voltage 30:30VDC	DC Control	Load Current 10：10Amp 40：40Amp	Control Voltage

General Specifications

Input Specifications(Ta=25°C)		
Control Voltage Range		9.6 - 28.8VDC
Must Turn-on Voltage		9.6VDC
Must Turn-off Voltage		2VDC
Maximum Input Current		15mA
Maximum Reverse Voltage		-28.8VDC

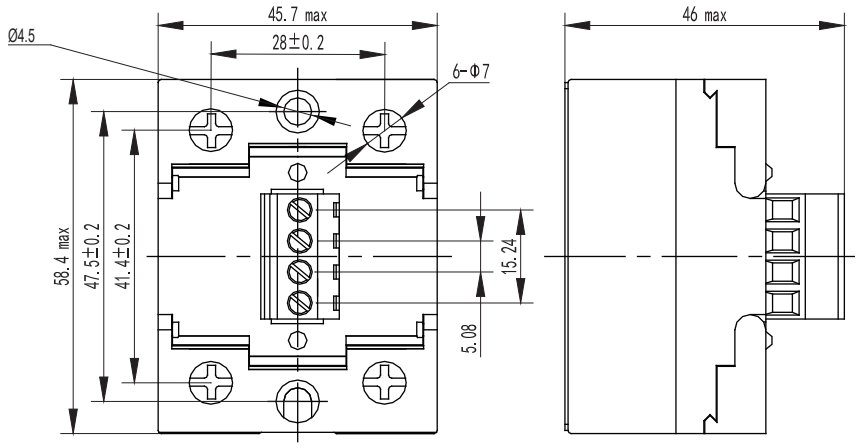
Output Specifications (Ta=25℃)		
Load Voltage Range		9 - 28.8VDC
TVS Breakdown Voltage Scope		37.1- 41V
Load Current Range	10A	0.002 - 10A
	40A	0.002 - 40A
Maximum Surge Current (@10ms)	10A	80A
	40A	200A
Maximum Turn-on Time		500μs
Maximum Turn-off Time		500μs
Maximum On Resistance	10A	14mΩ max.(@TA=25℃)
	40A	3mΩ Max.(@TA=25℃)
Maximum Off-State Leakage Current @Rated Load Voltage (mA)		0.1mA

General Specifications (Ta=25℃)		
Dielectric Strength (50/60Hz)	Input, Output/Base	2000Vrms
Operating Temperature Range		-30°C ～ +80°C
Storage Temperature Range		-30°C ～ +100°C
Weight (Typical)		150g

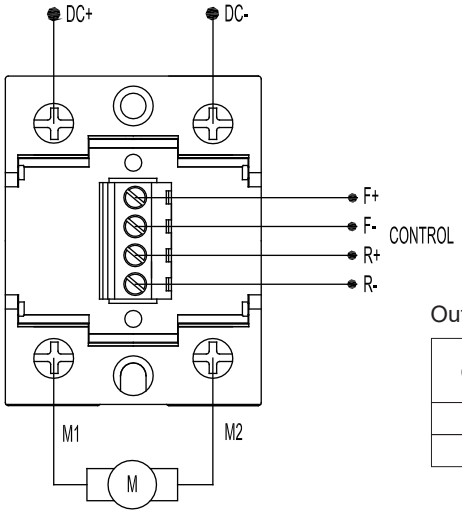
Application

DC motor control

Outline Dimensions



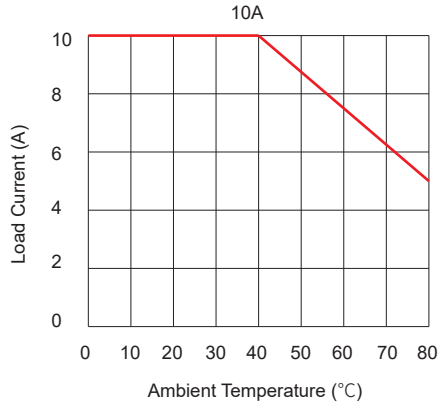
Wiring Diagram

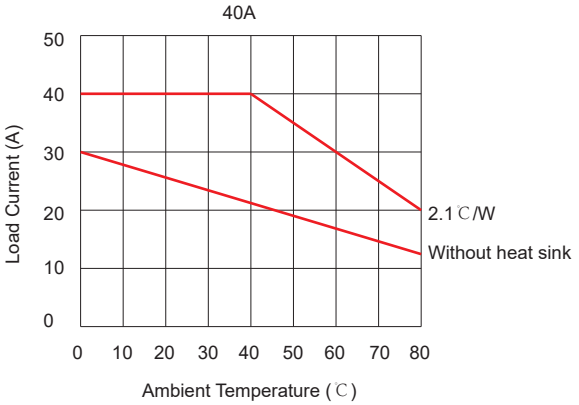


Output Status

Control signal	Green LED (Forward)	Red LED (Reverse)	Output Voltage Polarity	
			M1	M2
F+/F- ON	ON	OFF	-	+
R+/R- ON	OFF	ON	+	-

Temperature Curve





General Notes

1. Relay must be mounted to proper sized heat sink based on thermal curves. Thermal grease or a thermal pad must be used between the relay and the heat sink.
2. When connecting wiring to SSR please ensure screws are torqued down properly. Recommended torque for input screw is 4.43/(0.2-0.5) in-lb/N·m, output screw is (18-20)/(2.0-2.2) in-lb/N·m.
3. When the operation temperature is above 25℃, please consider the derating as per the Thermal Derating Curve.
4. Please ensure reliable grounding when using the SSR.
5. Control polarity must be observed. Otherwise, it may cause damage to the relay.

! Warnings

1. The product's side panels may be hot, allow the product to cool before touching.
2. Disconnect all power before installing or working with this equipment.
3. Verify all connections and replace all covers before turning on power.

