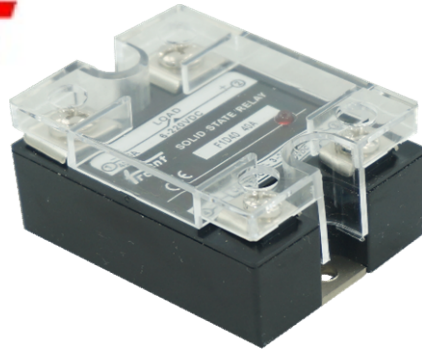




## F1D Series

## Single Pole DC Solid State Relay



### Features:

- DC Control Input
- MOSFET output
- Photo Isolation
- Low ON-State Resistance
- LED status Indicator
- Dielectric strength 2500V
- Panel Mount

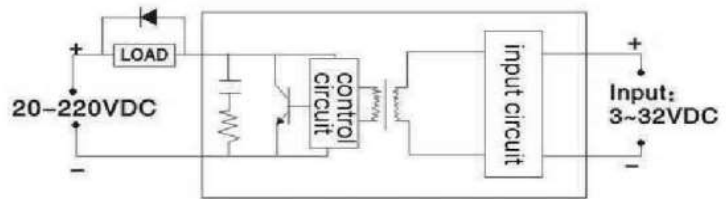
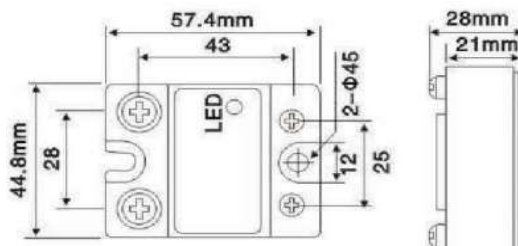
### Ordering Code:

**F1D XX-YY**

**XX -> 25 = 25 Amp; 40 = 40 Amp; 60 = 60 Amp; 100 = 100 Amp; 120 = 120 Amp**

**YY -> 12 = 12-220VDC; 22|12 = 12-220VDC; 220 = 20-220VDC; 480= 20-480VDC**

### Outline & Installation Dimensions



### INPUT

Control Voltage Range	3.5-32VDC
Maximum Input Current	40mA
Turn On Voltage	3.5VDC
Drop Out Voltage	2.5VDC

### OUTPUT

Load voltage range	12-220VDC(-12), 20-220VDC(-220), 480VDC(-480)
Load current	20A, 40A, 60A, 100A, 120A
Surge Current	62.5A, 100A, 150A, 250A, 300A
Max off-state leakage current	2mA
Max on-state voltage drop	<1V

### GENERAL

Dimensions	57.4L x 44.8W x 28H
Weight	100g +/-10%
Turn On time	200uS
Trun Off Time	2mS
Dielectric Strength (Input/Output/Base)	2500V
Operating Temperature	(-)20°C to 70°C
Certification	CE

### Application Notes

1. External Suppression Required for inductive Loads
2. Thermal Paste Should be used for Mounting
3. Mounting Torque Range 10-20 in lbs.

