IRHAPSODY® 12VDC 40/30AMP 4 PIN SPST Relay User Manual



Nominal Coil Voltage: 12 VDC
Coil Power: 1.8 W
Coil Resistance: 80 Ω
Must Operate Voltage: 6~8 VDC
Must Release Voltage: 0.6~3.6 VDC
Maximum Applied Voltage: 15.6 VDC
Contact Ratings: NO 40A 14VDC
Contact Resistance: 100mMAX (at6VDC 1A)
Max Switching Current: 40A
Max Switching Power: 560 W
Life Expectancy Electrical: 100,000 Operations (at30 Operations/minute)
Life Expectancy Machanical: 10,000,000 Operations
Temperature Range: -30 ~ +80 degrees Celsius
Vibration Resistance: 10~55Hz, 1.5mm
Shock Resistance: Operations Extremes: 10g. Damage Limits: 100g
Hunidity: 40% ~ 85%
Insulation Resistance: 100mΩ Min at500VDC
Dielectric Strength Between Open Contacts: 500VAC (for one minute/ sec)
Between Contactw and coil: 750AC (for one minute/sec)
Operate Tice: 7ms
Release Tice: 5ms

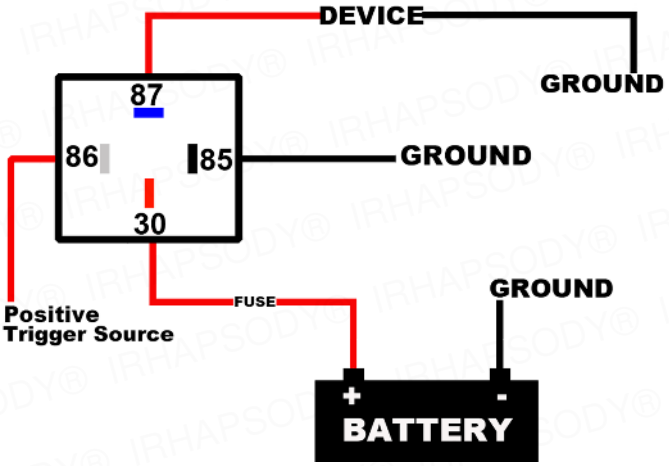
Terminal/Pin number

85	Coil
86	Coil
87	Normally Open (NO)
30	Common connection to NO & NC terminals

- 12AWG Tinned Copper Wire: Pin 87 Blue
- 12AWG Tinned Copper Wire: Pin 30 Red
- 16AWG Tinned Copper Wire: Pin 85 Black
- 16AWG Tinned Copper Wire: Pin 86 White

01

Normally OFF Relay with a POSITIVE Trigger



02

Normally OFF Relay with a GROUND Trigger

