

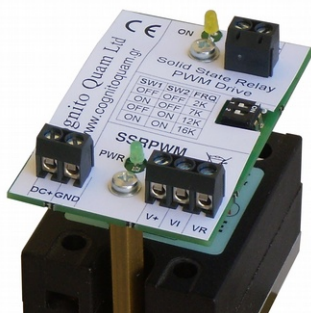
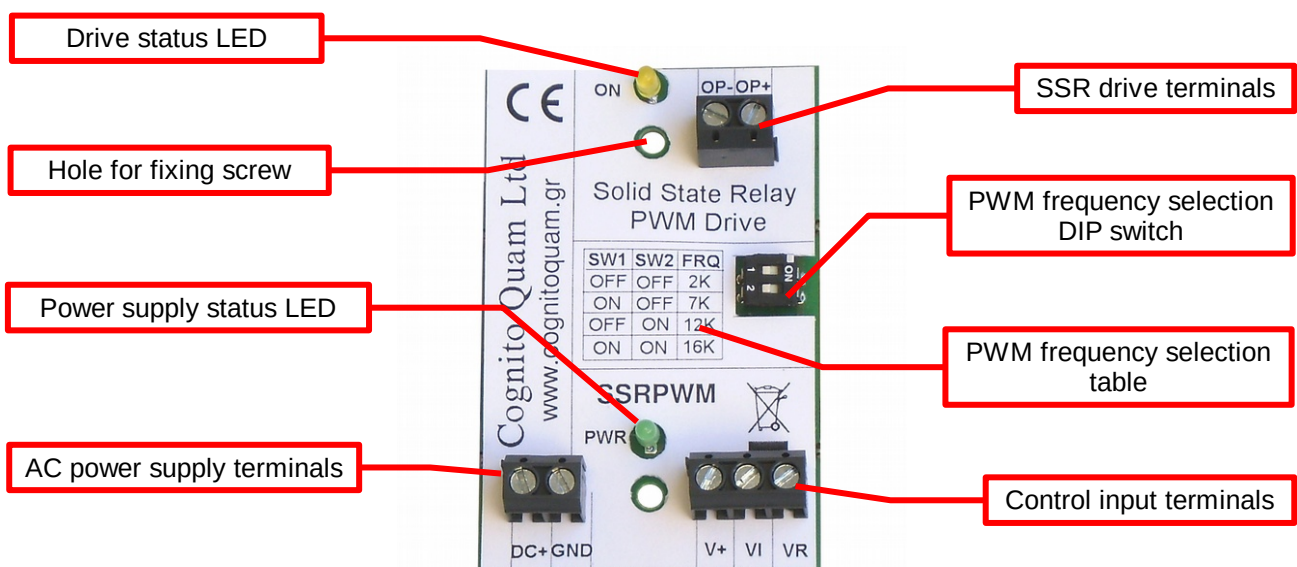
## PWM Solid State Relay (SSR) Drive

Our fully protected PWM (Pulse Width Modulation) solid state relay drive interface accepts an analog 0 - 10 VDC, PWM or potentiometer signal to drive a DC solid state relay in control applications such as:

- PLC controlled LED light dimming,
- Potentiometer controlled thermal loads, and
- DC load control such as motors, actuators and solenoids.

The controller is powered with 10-28 VDC and is connected directly without any other components to the SSR and control input source. The PWM frequency is set at the on board DIP switch and different ranges are offered as options:

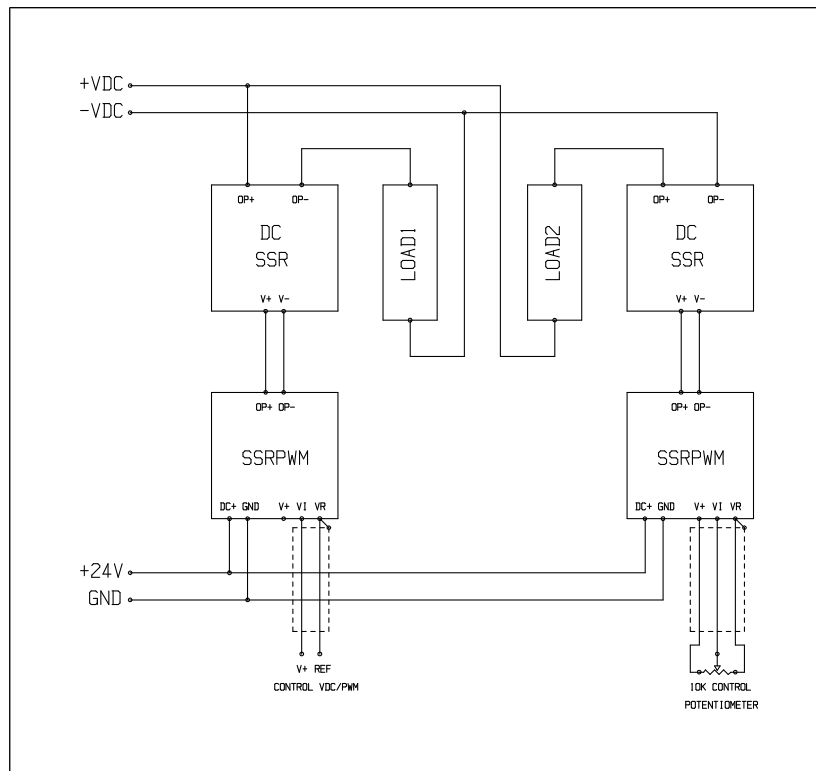
- Low frequency range (30, 75, 150, 200 Hz) addressing lighting and heating applications,
- Mid frequency range (125, 350, 600, 800 Hz) addressing general and actuator applications, and
- High frequency range (2K, 7K, 12K, 16K Hz) addressing magnetic load, motor and solenoid applications.



The controller is mounted above the SSR with accompanying 50 mm spacers and screws. (The spacers are also used to fix the SSR at the mounting face).

The SSRPWM is designed for standard DC line systems. The characterizing features are as follows:

SSRPWM Feature Summary	
<b>Power supply</b>	10-28 VDC power supply is protected against line noise and disturbances.
<b>Analog input protection</b>	Analog/potentiometer input is protected against reverse polarity connection, shorts and out-of-range potentials.
<b>SSR drive output</b>	Current limited SSR drive handles all SSR input problems.
<b>LEDs</b>	Indicating LEDs show power supply and SSR drive state.



Typical SSRPWM connections. The unit on the left is controlled by a 0-10 VDC source and drives a PNP (current source) load. The one on the right is controlled by a 10 K potentiometer and drives a NPN (current sink) load. Both are powered by the 24 VDC line. The V+ input is not used when an analog signal controls the unit.

Ordering information	
Model	Description
<b>SSRPWM_L</b>	Low frequency (30, 75, 150, 200 Hz) solid state relay PWM drive
<b>SSRPWM_M</b>	Medium frequency (125, 350, 600, 800 Hz) solid state relay PWM drive
<b>SSRPWM_H</b>	High frequency (2, 7, 12, 16 KHz) solid state relay PWM drive

Supplied by