

# MUNCIE SPD-1001D

## SYSTEM PROTECTION DEVICE



### Adaptable protection for truck, operator, and driven equipment

Muncie Power Products offers a revolutionary safety device for powered truck equipment. The SPD-1001D offers over-speed protection as well as an interface for a wide range of interlock devices. The device can limit usage of electrically controlled systems based upon such interlocks as truck speed, brake activation, engine RPM, outrigger position, etc. The sealed device is equipped with a programmable microprocessor and can be mounted inside or outside the vehicle cab.

The System Protection Device is available in three designs. The SPD-1001D is for 12- or 24-volt systems with under 5 amp circuit, the SPD-1001B is for 12-volt high amperage systems above 5 amp and the SPD-1001C 24V is for 24-volt high amperage systems above 5 amp.

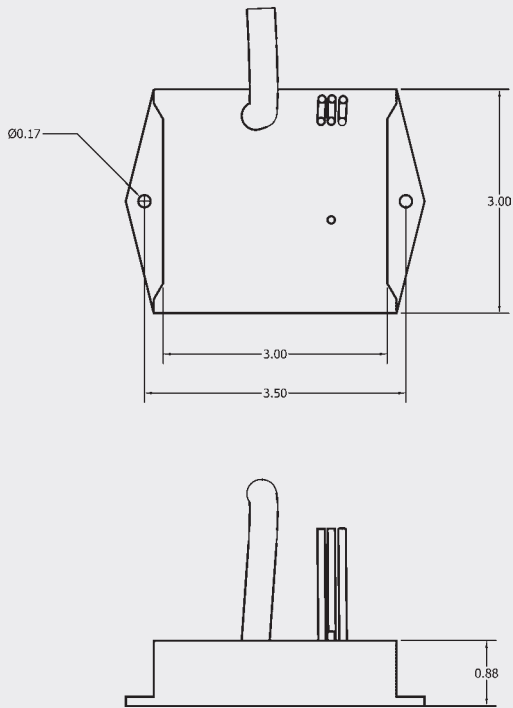


### KEY FEATURES

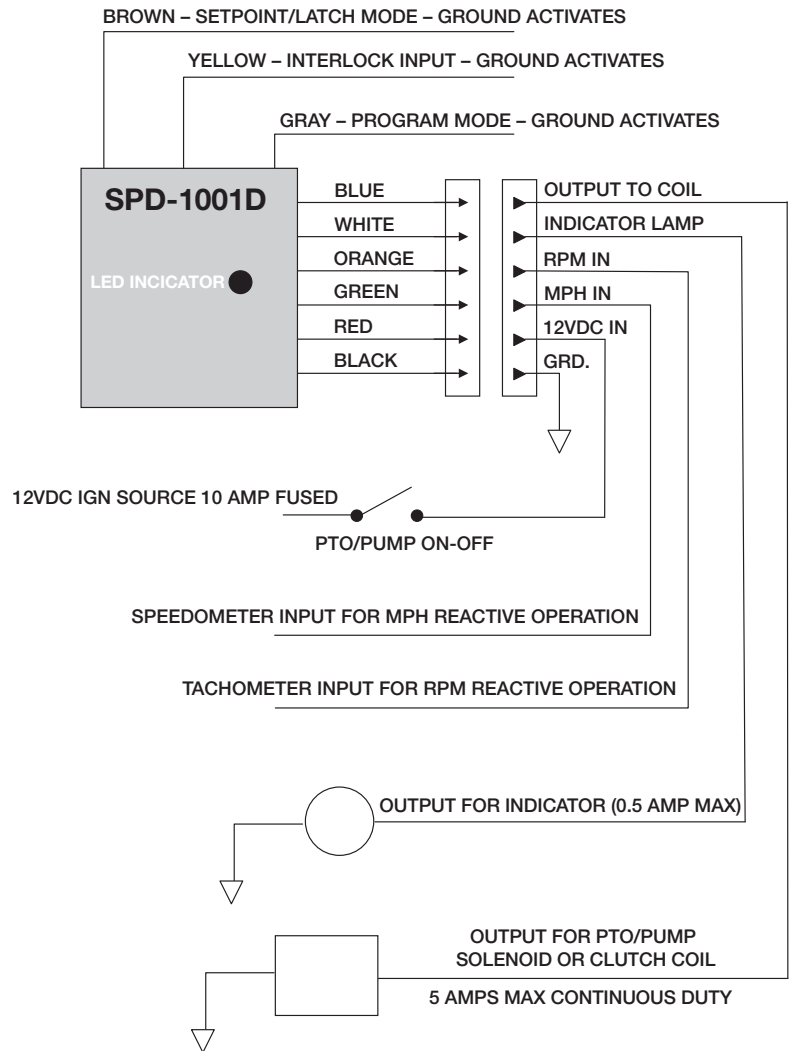
- Senses input from the truck's speedometer signal and automatically disengage a clutch pump or PTO if the vehicle exceeds a MPH limit.
- Sealed components are resistant to tampering and can be mounted in the cab or engine compartments.
- Input allows RPM set points to be programmed for continued operation or disengage settings.
- Easily add safety interlocks in order to interrupt the power operation during an overspeed condition or if a limit switch is activated. *Switches are not included with the unit.*
- Incorporates a unique design for operating PTO and pump solenoid valves that lets them run significantly cooler and minimize the principal cause of coil failure.
- A microcontroller is incorporated for ease of programming and does not require any special tools.
- Voltage sensing that works on 12 VDC or 24 VDC systems.
- Similar wiring to EOS products allows for easy replacement.
- Rugged solid-state construction, no moving parts.

## DIMENSIONS

Compact Size: 3" x 3" x .88"



## SPD-1001D WIRING DIAGRAM



## SPECIFICATIONS:

- Max output low current .500 amp (white wire)
- Max output high current 5 amp (blue wire)
- Operating temperature range -40° C to 70° C (-40° F to 160° F)
- Operating voltage range 9 to 28 VDC
- Accept RPM or MPH sinusoidal or square wave type signals from 200 mV pp, with a frequency range within 10Hz to 5kHz.