



SS200 Dash Mounted Speed Switch

Tachometer, Hour Meter, Volt Meter, Automatic Feed Controller



FEATURES

- **Bright LED Display**
Easy to read, four-digit LED for tachometer display and setup information. Bright individual LEDs indicate output status.
- **Easy Field Adjustment**
3-key rugged touchscreen interface for fast and secure field adjustment. Factory calibration settings protected from operator.
- **Fast Commissioning**
Infrared remote setup. Program settings and default quickly using any Sony™ television compatible remote control.
- **Environmentally Sealed**
Rugged sealed enclosure for harsh off-highway applications.
- **Solid State Electronics**
Touchpad technology outlasts mechanical pushbuttons in harsh environments. Solid state outputs survive countless operations and eliminate wear.

APPLICATIONS

- **Feed Controller**
Automatic feed control for grinders, crushers, chippers, shredders and other equipment. Prevents damage from engine stall or overload.
- **Instrument**
Tachometer, hour meter, and volt meter in one dash-mount package.
- **Interlock**
Prevent engagement of PTO when engine RPM is below minimum requirement.
- **Rev Limiter**
Disable throttle up input on cruise control module when maximum desired RPM is reached.

OPERATION

Field Operation

Normal operation:

Press “O” button to toggle between RPM display, hours, or volts.

Output control (on/off):

Press and hold “+” button for 3 seconds to enable outputs.

Press and hold “-” button for 3 seconds to disable outputs.

Programming:

Press and hold “O” button for 3 seconds to enter programming mode. Press “O” button momentarily to select parameter to adjust. Press “+” and “-” buttons to change setting. Adjustable parameters include high and low set points, and reverse time if applicable.

Factory Calibration

Factory calibration is performed quickly and easily using any Sony™ television compatible infrared remote control. Factory calibrations include number of teeth for pulse pickup, mode of operation, and all field adjustable parameters.

Press TV on remote to select television mode.

Press POWER 5 times in 2 seconds to enter programming mode.

Press CHANNEL +/- to select parameter to adjust.

Press VOLUME +/- to change value.

Press number keys to enter values directly.

Press ENT to save and exit programming mode.



SS200 is easily set up with any Sony™ IR remote control

ORDERING INFORMATION

PART #	DESCRIPTION
SS200	Dash mount tachometer and feed controller
SS200-ICT	Infrared commissioning tool

SPECIFICATIONS

General	Power requirement	9-15vdc, 500mA nominal + power to loads 24vdc version available
Outputs	Solid State	Sourcing; 5-amps max
Sensor Input	Type	Magnetic pickup, 5-30vpp AC Proximity switch, open drain
Performance	Frequency Range	10 to 10,000Hz
	Response Time	1/10th second
	Accuracy	10Hz
	RPM Range	0 to 9,999 RPM
Interface		Touchpad menu interface for field operation Infrared receiver for factory commissioning
Display	Type	4-digit LED
	Parameters	RPM, Volts, Hours, settings
	Output Status	3 x LED
Mounting		Mounts in 3.25" round hole
		Mounting bracket, hardware, gasket included
Environmental	Storage	-40°C to 85°C
	Operating	-40°C to 60°C

MODES

MODE	OUTPUT	RPM		
		BELOW LOW-SET	BETWEEN LOW AND HIGH	ABOVE HIGH-SET
0	OUT1	ON	DEADBAND	OFF
	OUT2	NOT USED	NOT USED	NOT USED
1	OUT1	OFF	DEADBAND	ON
	OUT2	ON FOR REV TIME	OFF	OFF
2	OUT1	OFF	DEADBAND	ON
	OUT2	ON	DEADBAND	OFF
3	OUT1	ON	DEADBAND	OFF
	OUT2	ON	DEADBAND	OFF

DEADBAND: Output remains in previous state. If RPM is increasing, output stays in “below low-set” state. If RPM is decreasing, output stays in “above high-set” state.

Other factory programmable modes possible.