

Pre-Start Warning

Visual/Audible/EtherNet IP/Modbus

CS-PSW20 Overview:

The CS-PSW20 Pre-start Warning unit provides a highly effective means to generate both prestart and abnormal situation warnings. The unit provides both visual and audible warnings via high intensity LED's and siren. It can be easily integrated into your control system via Ethernet IP, Modbus TCP or alternately via hardwiring. These communications options are standard on all units.

The CS-PSW20 is designed to be able to operate independently of any external control so provides a perfect solution for any standalone applications. External abnormal conditions can be used to trigger the unit in a variety of different modes via integrated onboard inputs.

Application:

These units are typically applied across industrial operations to provide pre-start warning for conveyor belts, pump stations, ventilation fans, compressors, milling, crushing, fire and alarm. The multitude of configurable operational modes makes it suitable for most applications requiring visual and audible warnings.

The units are designed for both AC and DC Power supplies thereby reducing required spares holding. They are modular in design so are easily serviced.

Features:

- Robust construction
- Two highly visible LED lights (110mm) available in Amber, Red or Green
- 32 tone Siren (120dB at 1m)
- 16 Pre-programmed operating modes
- Onboard communications (standard)



- ***EtherNet IP***
- ***Modbus TCP***
- ***Standalone operation***
- ***Multiple pre-programmed modes***
- ***Dual Supply Voltage (24VDC & 110VAC)***
- ***Direct triggering from field inputs (no PLC required)***
- ***Internal diagnostics including LED and siren diagnostics***



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Specifications:

Parameter	Rating
Dimensions	320 (l) x 200 (h) x 200 (d)
Enclosure	Mild steel powder coated - Orange (coastal spec)
LED Cluster	IP66, 24VDC Bright 19 LED industrial cluster. Available in Amber, Red or Green
Siren:	IP65 Eagle EBM—120dB at 1m, 32 tone options
Power supply	110VAC/24VDC or 220VAC/ 24VDC (6W).
Comms:	EtherNet IP/Modbus TCP (Standard on all modules)

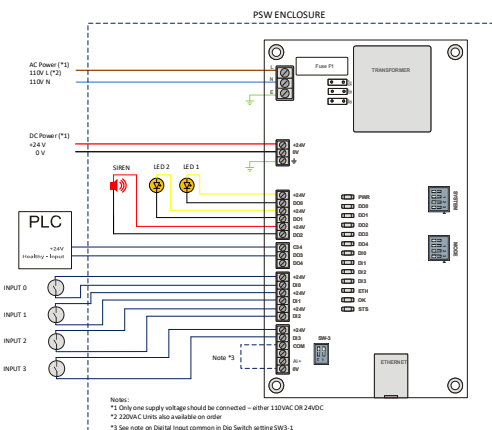
Model Options:

Product	Description
CS-PSW20A1	Pre-Start Warning – AMBER LED's Dual 110VAC/24VDC input, EtherNet IP, Modbus TCP
CS-PSW20A2	Pre-Start Warning – AMBER LED's Dual 220VAC/24VDC input, EtherNet IP, Modbus TCP
CS-PSW20R1	Pre-Start Warning – RED LED's, Dual 110VAC/24VDC input, EtherNet IP, Modbus TCP
CS-PSW20R2	Pre-Start Warning – RED LED's, Dual 220VAC/24VDC input, EtherNet IP, Modbus TCP
CS-PSW20G1	Pre-Start Warning – GREEN LED's, Dual 110VAC/24VDC input, EtherNet IP, Modbus TCP
CS-PSW20G2	Pre-Start Warning – GREEN LED's, Dual 220VAC/24VDC input, EtherNet IP, Modbus TCP

Pre-Configured Operating Modes:

Modes	Description
Flashing	On powerup, LED's flash together and siren is activated. Option for two different flashing speeds. Option for siren to stop after 45 seconds. Full monitoring via Modbus and EtherNet.
Solid Indication	On powerup, LED's are On and siren is activated. Option for siren to stop after 45 seconds. Full monitoring via Modbus and EtherNet.
Railroad	On powerup, LED's flash alternately and siren is activated. Option for two different flashing speeds. Option for siren to stop after 45 seconds. Full monitoring via Modbus and EtherNet.
Remote control via HW inputs	Multiple options. Activation of LED's and siren independently via field inputs (eg level switch). Full monitoring via Modbus and EtherNet..
Modbus TCP Mode 1	Full independent control of LED's and Siren via Modbus. Option to activate one of the above modes via Modbus.
Modbus TCP Mode 2 (Comms fail)	Full independent control of LED's and Siren via Modbus. Option to activate one of the above modes via Modbus.
PLC EtherNet IP Mode 1	Full independent control of LED's and Siren via EtherNet. Option to activate one of the above modes via EtherNet.
PLC EtherNet/IP Mode 2 (comms fail)	Full independent control of LED's and Siren via EtherNet. Option to activate one of the above modes via EtherNet.

- **Amber/Red/Green**
- **32 Tone Siren (120dB)**
- **Flashing/Solid Indication**
- **Synch/Railroad Flashing**
- **Ext H/W trigger**
- **Full Control via EtherNet/Modbus**
- **Quick remote configuration**



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