

Dual Current Sensor Module

The ST-CS is a Cresnet® expansion module that provides power sensing of two individual devices such as televisions, AV receivers, and many other AC powered device. A typical application for current sensing is to provide confirmation of the device's power on/off state. This is often necessary to enable reliable power control for IR controlled devices that do not include discrete power commands in their IR control protocol. The ST-CS may be used to provide a current sensing interface wherever required for loads up to 1000 Watts, and may be rack-mounted using the optional **ST-RMK** rack mount kit (sold separately). Communication with the control system is via a single Cresnet connection.

SPECIFICATIONS

Connectors

POWER A - B: (2) 3-prong grounded AC sockets;
Sensed AC power outlets;
Maximum Total Load: 10 Amps (1000 Watts) at 120 Volts AC;
Minimum Sensing Load: 0.033 Amps (4 Watts) at 120 Volts AC;
Voltage Range: 90 to 125 Volts AC @ 50-60Hz

POWER IN: (1) 6 ft (1.83m) cable with grounded AC plug;
Connects to AC power source

NET: (2) 6-pin RJ11 female, Cresnet slave ports, paralleled;
Connect to Cresnet control network

12VDC: (1) 2.5mm barrel DC power jack;
12 Volt DC power input (**PW-1205** power pack included)

Controls & Indicators

PWR: (1) green LED, indicates power supplied from Cresnet network or local power pack

NET: (1) amber LED, indicates communication with Cresnet system

FULL, POWER A - B: (2) recessed trim pots and red LEDs, adjust "full load" threshold for corresponding outlet

PARTIAL, POWER A - B: (2) recessed trim pots and amber LEDs, adjust "partial load" threshold for corresponding outlet

Power Requirements

Power Pack: 0.5 Amp @ 12 Volts DC;

120 Volts AC, 60 Hz power pack, model **PW-1205**, included

Cresnet Power Usage: 3 Watts (0.125 Amp @ 24 Volts DC) with no power pack connected

Environmental

Temperature: 41° to 113°F (5° to 45°C)

Humidity: 10% to 90% RH (non-condensing)

Enclosure

Chassis: Metal, black finish

Faceplate: Extruded aluminum, black finish with polycarbonate label overlay

Mounting: Freestanding or 1U 1/2-width 19-inch rack-mountable (adhesive feet included, **ST-RMK** rack kit sold separately)



Dimensions

Height: 1.80 in (46 mm);
1.70 in (44 mm) without feet

Width: 7.07 in (180 mm)

Depth: 6.32 in (161 mm)

Weight

2.72 lb (1.24 kg)

INTERNATIONAL VERSION (230 VAC)

STI-CS

All the features and specifications of the ST-CS except:

Connectors (partial)

POWER A - B: (2) 6 ft (1.83m) cables with inline female IEC connector, sensed AC power outlets;

Maximum Total Load: 6 Amps, 1000 Watts at 220 Volts AC;

Voltage Range: 90 to 220 Volts AC @ 50-60Hz

Power Requirements

Power Pack: 0.5 Amp @ 12 Volts DC;

230 Volts AC, 50 Hz power pack, model **PWI-1215**, included

Cresnet Power Usage: 3 Watts (0.125 Amp @ 24 Volts DC) with no power pack connected

Weight

2.92 lb (1.33 kg)

Available Models

ST-CS [6501250]: Dual-Channel Current Sensor Module, 120V. Includes PW-1205 Power Supply.

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STI-CS [6501243]: Dual-Channel Current Sensor Module - International Version, 230V. Includes PWI-1215 Power Supply.

Included Accessories

PW-1205 [6500823]: Wall Mount Power Pack, 12VDC, 0.5A, 2.5mm, US/NA
[Included Quantity for ST-CS]

PWI-1215 [6500888]: Desktop Power Pack, 12VDC, 1.5A, 2.5mm, Universal
[Included Quantity for STI-CS]

Available Accessories

ST-RMK [6500073]: Rack Mount Kit

CNRJ11 [6500072]: 4 Wire to RJ11 Cresnet Converter

CRESNET-NP-BK-B500 [6500494]: Cresnet® Control Cable, Non-Plenum, Black, 500 ft (152 m) box

CRESNET-NP-OR-B500 [6500495]: Cresnet® Control Cable, Non-Plenum, Orange, 500 ft (152 m) box

CRESNET-NP-TL-B250 [6500410]: Cresnet® Control Cable, Non-Plenum, Teal, 250 ft (76 m) box

CRESNET-NP-TL-B500 [6500719]: Cresnet® Control Cable, Non-Plenum, Teal, 500 ft (152 m) box

CRESNET-NP-TL-SP500 [6500183]: Cresnet® Control Cable, Non-Plenum, Teal, 500 ft (152 m) spool

CRESNET-NP-TL-SP1000 [6500794]: Cresnet® Control Cable, Non-Plenum, Teal, 1000 ft (304 m) spool

CRESNET-NP-YL-B500: Cresnet® Control Cable, non-plenum, yellow, 500 ft box [Discontinued]

CRESNET-P-BK-SP500 [6500184]: Cresnet® Control Cable, Plenum-Rated, Black, 500 ft (152 m) spool

CRESNET-P-OR-SP500 [6500185]: Cresnet® Control Cable, Plenum-Rated, Orange, 500 ft (152 m) spool

CRESNET-P-TL-SP500 [6500098]: Cresnet® Control Cable, Plenum-Rated, Teal, 500 ft (152 m) spool

CRESNET-P-TL-SP1000 [6500941]: Cresnet® Control Cable, Plenum-Rated, Teal, 1000 ft (304 m) spool

CRESNET-P-YL-SP500: Cresnet® Control Cable, plenum, yellow, 500 ft spool [Discontinued]

CRESNET-HP-NP-TL-SP500 [6500489]: Cresnet® "High-Power" Control Cable, non-plenum, teal, 500 ft spool

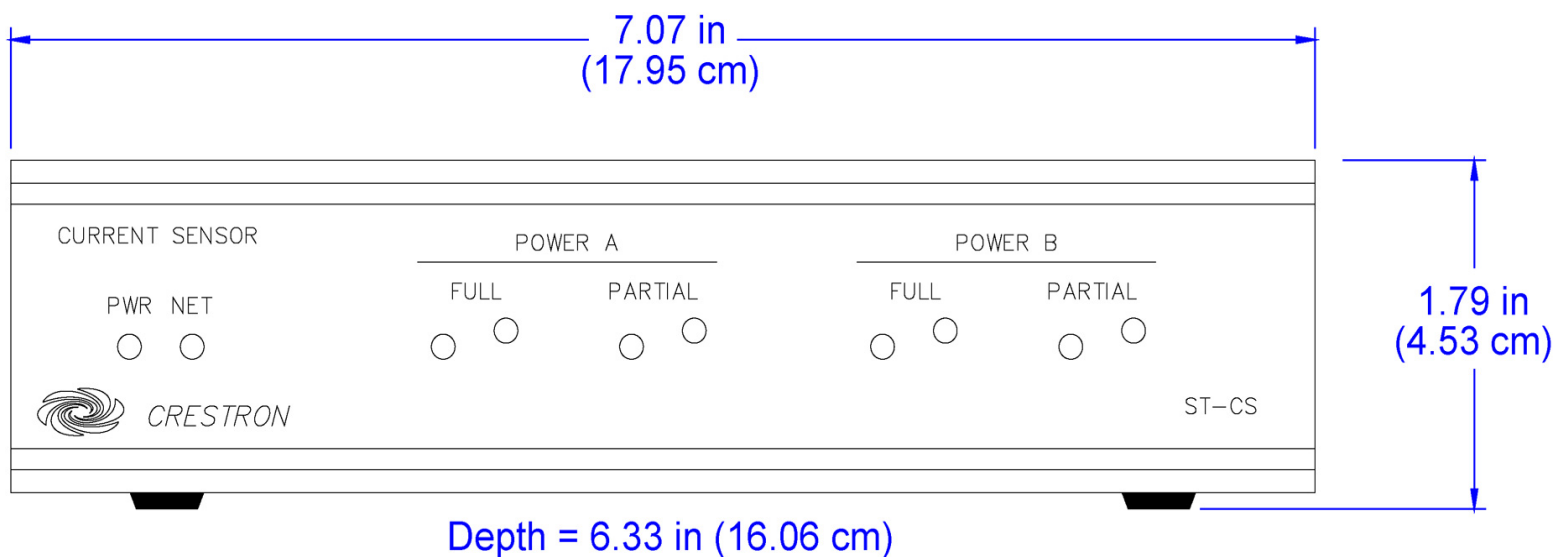
CRESNET-HP-NP-TL-SP1000 [6500492]: Cresnet® "High-Power" Control Cable, non-plenum, teal, 1000 ft spool

Notes:

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