ST-CS

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: Dual-Channel Current Sensor Module, 120V
STI-CS: Dual-Channel Current Sensor Module - International Version, 230V

Included Accessories
PW-1205 Power Pack, Wall, 12VDC, 0.5A, 120VAC [Included Quantity for ST-CS: 1]

CRESTRON

PWI-1215 Power Pack, Desktop, 12VDC, 1.5A, 230VAC [Included Quantity for STI-CS: 1]

Available Accessories
ST-RMK: Rack Mount Kit
CNRJ11: 4 Wire to RJ11 Cresnet Converter
CRESNET-NP-BK-B500: Cresnet® Control Cable, non-plenum, black, 500 ft box
CRESNET-NP-OR-B500: Cresnet® Control Cable, non-plenum, orange, 500 ft box
CRESNET-NP-TL-B250: Cresnet® Control Cable, non-plenum, teal, 250 ft box
CRESNET-NP-TL-B500: Cresnet® Control Cable, non-plenum, teal, 500 ft box
CRESNET-NP-TL-SP500: Cresnet® Control Cable, non-plenum, teal, 500 ft spool
CRESNET-NP-TL-SP1000: Cresnet® Control Cable, non-plenum, teal, 1000 ft spool
CRESNET-NP-YL-B500: Cresnet® Control Cable, non-plenum, yellow, 500 ft box
CRESNET-P-BK-SP500: Cresnet® Control Cable, plenum, black, 500 ft spool
CRESNET-P-OR-SP500: Cresnet® Control Cable, plenum, orange, 500 ft spool
CRESNET-P-TL-SP500: Cresnet® Control Cable, plenum, teal, 500 ft spool
CRESNET-P-TL-SP1000: Cresnet® Control Cable, plenum, teal, 1000 ft spool
CRESNET-P-YL-SP500: Cresnet® Control Cable, plenum, yellow, 500 ft spool
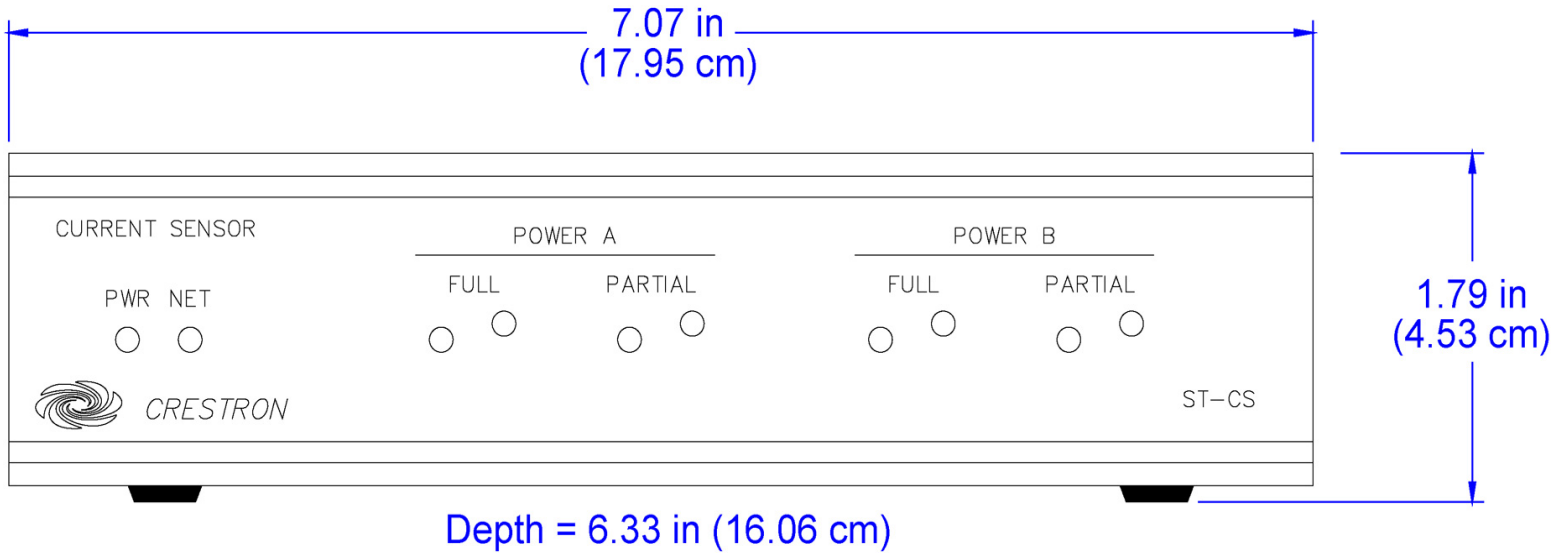**CRESNET-HP-NP-TL-SP500:** Cresnet® "High-Power" Control Cable, non-plenum, teal, 500 ft spool
CRESNET-HP-NP-TL-SP1000: Cresnet® "High-Power" Control Cable, non-plenum, teal, 1000 ft spool

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CRESTRON

Front

7.07 in
(17.95 cm)

1.79 in
(4.53 cm)

CURRENT SENSOR
POWER A
POWER B

PWR NET
FULL   PARTIAL
FULL   PARTIAL

CRESTRON
ST–CS

Depth = 6.33 in (16.06 cm)

Back

12VDC
.5A

NET   PC

POWER A   POWER B   POWER IN

CE

90–125VAC
50–60HZ
COMBINED
OUTPUT
10A MAX

CRESTRON ELECTRONICS INC. N.J. 07626