

# CSP-RS232I

## RS-232 Isolator

- > Recommended for lengthy or outdoor RS-232 cable runs
- > Protects control systems from lightning strikes and electrical disturbances
- > Supports RS-232 from 300 to 115.2k baud<sup>[1]</sup>
- > Passes RX, TX, RTS, and CTS signals
- > 4.5 Kilovolt RMS galvanic isolation

The CSP-RS232I is an accessory designed to protect a Crestron® control system's COM ports from lightning surges and other electrical disturbances brought through the RS-232 control line<sup>[1]</sup>. By electrically isolating any distant, outdoor device such as a pool & spa controller or irrigation system, the CSP-RS232I can prevent damage to the control system in the event of a near lightning strike, ground-loop, or short from a high voltage line.

### SPECIFICATIONS

#### Protection

**Isolation:** 4.5 Kilovolts<sub>RMS</sub> for 1 minute

#### Connectors

**DEVICE:** (1) DB9 male, isolated bidirectional RS-232 pass-through port<sup>[1]</sup>; Passes RX, TX, RTS, and CTS signals; Supports 300 to 115.2k baud

**Ground:** (1) 6-32 screw, chassis ground lug

**CONTROL SYSTEM:** (1) DB9 female; Connection to any Crestron COM port<sup>[1]</sup>; 6 ft (1.83 m) interface cable included

**PWR 24VDC:** (1) 2-pin 3.5mm detachable terminal block; 24 Volt DC power input; may be connected to a Cresnet® network or dedicated power supply (not included)

**PWR 12VDC:** (1) 2.5mm barrel DC power jack; 12 Volt DC power input; (PW-1205 or PW-1205RU power pack sold separately)

#### Indicators

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

#### Power Requirements

**Power Pack:** 0.5 Amp @ 12 Volts DC; For use with Crestron model PW-1205 (120V) or PW-1205RU (100-240V) power pack, each sold separately

**Cresnet Power Usage:** 1 Watt (0.04 Amp @ 24 Volts DC) with no power pack connected



#### Environmental

**Temperature:** 32° to 158°F (0° to 70°C)  
**Humidity:** 10% to 90% RH (non-condensing)  
**Heat Dissipation:** 3 BTU per hour

#### Enclosure

Steel, surface mount box with (2) integral mounting flanges, printed label

#### Dimensions

**Height:** 1.34 in (34 mm)  
**Width:** 4.52 in (115 mm)  
**Depth:** 3.76 in (96 mm)

#### Weight

9.1 oz (257 g)

### MODELS & ACCESSORIES

#### Available Models

**CSP-RS232I:** RS-232 Isolator

#### Available Accessories

**CNSP-XX:** Custom Serial Interface Cable

**PW-1205:** Wall Mount Power Pack, 12VDC, 0.5A, 2.5mm, US/NA

**PW-1205RU:** Wall Mount Power Pack, 12VDC, 0.5A, 2.5mm, Universal

Notes:

1. Supports RS-232 only; does not support RS-422 or RS-485.

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This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at [www.crestron.com/salesreps](http://www.crestron.com/salesreps) or by calling 800-237-2041.

The specific patents that cover Crestron products are listed online at: [patents.crestron.com](http://patents.crestron.com).

Certain Crestron products contain open source software. For specific information, please visit [www.crestron.com/opensource](http://www.crestron.com/opensource).

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