Elpas
Active RFID/RTLS Solutions

RS-485 Junction Box

Description

The Elpas RS-485 Junction Box is a multi-drop, solid state fixed network accessory that provides installers with a convenient power/data interface for linking Elpas RS-485 BUS devices together.

Each box contains four female RJ-11 modular jacks that support Elpas Network Drop Cables (PN: 5-ERS02721 or 5-ERS02721-1) for the easy connection of RS-485 BUS devices. The device also has two loop-through 8 pin 110 punch-down block connectors to enable multiple RS-485 Junction Boxes to be connected in a daisy-chain wiring configuration via Cat-5 cabling.

Additionally, the Elpas RS-485 Junction Box contains a two–position removable terminal block for connecting to an Elpas Power Supply (PN: 5-ERS02601) or to any compatible 16-28VDC/2.5A for powering the RS-485 BUS. The junction box also contains a two–position terminal block for RS-485 end of-the-line termination and a green LED Power ON status indicator.

Constructed of white polycarbonate plastic, the RS-485 Junction Box' is architecturally attractive and can be easily surface mounted onto solid walls and ceilings or easily placed into dropped (false) ceilings.

NOTE: One 100 Ohm end-of line resistor included.
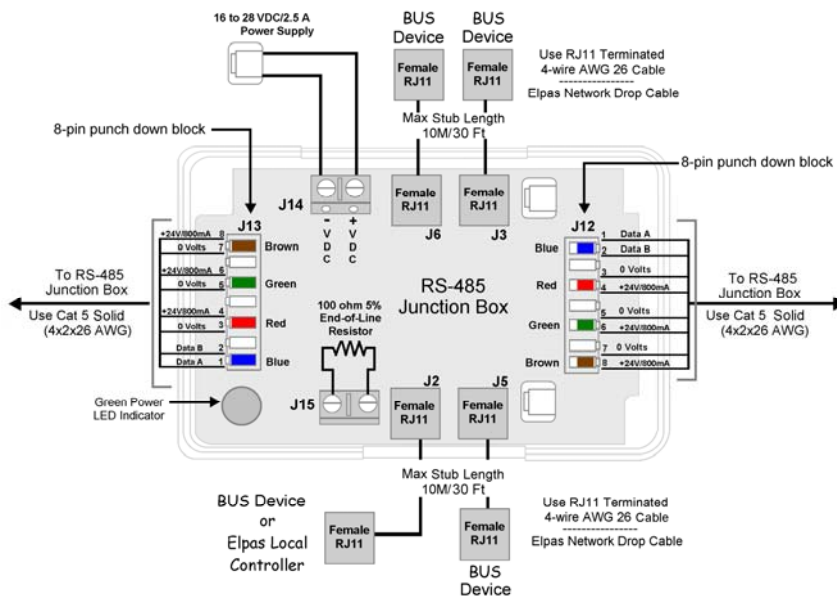

Elpas RS-485 Junction Box

Product Features

√ Small, architecturally attractive

√ Made of white polycarbonate plastic

√ Two RS-485 Interface punch down blocks

√ Four RJ-11 network drop connectors

√ Solid state construction

√ Power-On status indicator LED

√ CE, FCC, IC certified

Visonic Technologies
Enterprise Protection Solutions

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Elpas RS-485 Junction Box – Confidential Technical and Product Specifications

Operational Specifications	
Total Pass Through Current	2.5 Amps
RS-485 BUS	230Kbit/sec
RS-485 Backbone Interface	Two eight–pin 110 punch down blocks
RS-485 Bus Device Interfaces	Four RJ-11 (4P4C) female network drop connectors (for RS-485 data & 16-28 VDC)
Power Interface	Two–position removable terminal block (for 16-28 VDC)
End of-the-Line Termination	Two–position terminal block
Green LED Indicator	Upon power-up, lights continuously
General Specifications	
Construction	White polycarbonate plastic
Dimensions (H x W x D)	110 x 63 x 26mm (4.3 x 2.5 x 1.0 inches)
Weight	70 grams/ 2.5 ounces
Operating Environment	10°C to 70°C (14°F to 159°F) 20% to 80% non-condensing
Warranty	One year limited warranty
Compliance Standards	CE, FCC, IC certification pending

Specifications are subject to change without notice.

Illustrative Wiring Diagram - RS-485 Junction Box

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Ordering Information

Part Number	Description
5-JBA00485	RS-485 Junction Box, 4 RJ11 Ports

Compatible Accessories

Part Number	Description
5-ERS02721	Network Drop Cable, 2.5 meters / 8.0 feet
5-ERS02721-1	Network Drop Cable, 5 meters / 16.0 feet
5-ERS02601	P-60 Power Supply, 24VDC/2.5A

About Visonic Technologies

Visonic Technologies (VT) is a global leader in Active RFID/RTLS safety and security solutions for the changing healthcare industry. VT delivers out-of-the-box as well as custom-tailored risk mitigation tools that enhance patient and personnel safety; reduces asset shrinkage and labor costs; lessens negligence litigation and facilitates industry guideline compliance.

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