Product Specifications

RS232 Serial Interface

Two Way Serial Communication for Touch Screens and other Serial Devices

RS-232 Serial Interface

Standard ASCII Based Commands, compatible with most touch screen serial drivers

PRODUCT OVERVIEW

The Avi-on RS-232 Serial Interface provides a reliable, two-way serial **connection to touch-screen control units** or any device that needs to send or receive commands to/from the Avi-on Network using the Avi-on Serial ASCII Protocol.

The Avi-on Serial Protocol supports a wide range of external interface control actions, including:

Send to the Avi-on Network:
Device/Group ON/OFF/Dim Level commands, Scene Triggers, Dimming Overrides, Avi-on Lockdown Mode triggers, and UL 924 Mode triggers.

Receive from the Avi-on Network:
Device/Group dimming status updates, sensor trigger information, and Lockdown Mode enable/disable notifications.

Design custom touch-screen interfaces with ease by sending the appropriate serial commands from your preferred touch-screen or building control system.

The complete command set, along with sample integrations for common control systems—including Crestron and RTI—is provided in the installation guide.

ORDERING INFORMATION

	Part Number	Description	Antenna	Input Voltage
☐	**AVI-B-LV232-12-24VDC**	RS-232 Serial Interface	UFL-Wire	12 - 24 VDC

To order please contact Avi-on sales at **(877) AVION-US,** (877) 284-6687 or **prosales@avi-on.com** for information on becoming an Avi-on partner and order details.

Project		**Location/ Type**	

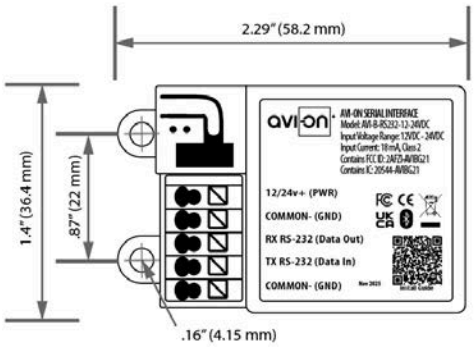
DEVICE SPECIFICATIONS

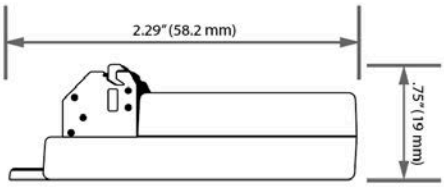
Input Voltage:	12-24VDC
Power Consumption:	17mA
CC Input:	12-24VDC Non powered contact closure detection (momentary)
Direct Connect Input:	Compatible with all Avi-on Direct Connect™ Motion/Daylight sensors
Size:	2.30in x 1.43in x 0.75in (58.2mm x 36.4mm x 19mm)
Mounting:	Removable mounting tabs
Weight:	0.45 oz (16g)
Terminal Blocks:	22-16 AWG wires
Operating Temperature:	-22F to +158F (-30C to +70C)
Storage Temperature:	-40F to +185F (-40C to +85C)
Humidity Rating:	95% non-condensing

Radio Frequency:	2.4GHz
Wireless Standard:	BLE 5.3 with Mesh
Point to Point Range*:	80ft with obstructions and 350ft unobstructed
Security:	AES 128-bit encryption for device to device communication AES 256-bit encryption for device to cloud communication
Warranty:	5 years; 10 years optional
Regulatory:	FCC ID: 2AFZI-AVIBG21 IC ID: 20544-AVIBG21 BQB: DID: D063032 CE: EN IEC 61000-6-1:2019, EN IEC 61000-6-3:2021

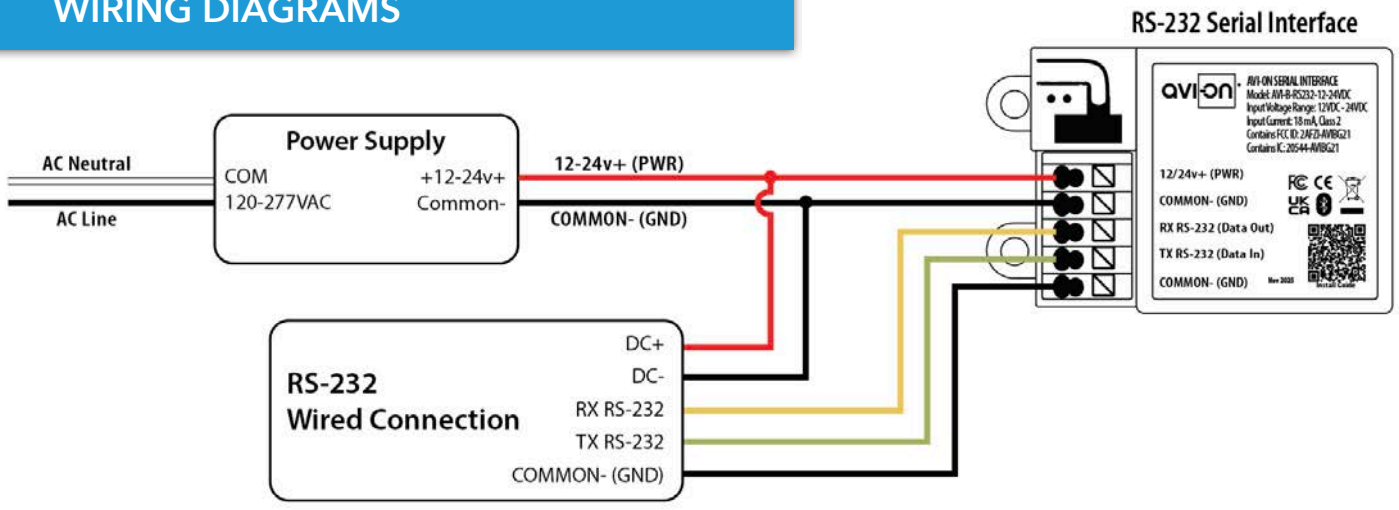
**When communicating through the mesh, range is essentially unlimited (5000ft+)*

Dimensions:





WIRING DIAGRAMS



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