

Specifications

ECM S10

eBUS control interface

eBUS control	(1) 3.5 mm captive screw connectors, 4 pole
eBUS pin configuration	+V = +12 VDC; +S = + signal; -S = - signal; G = ground
Recommended cable type.....	Extron STP20-2/1000 or STP20-2P/1000 cable
Maximum system cable length.....	1000 feet (305 meters) sum total for the eBUS system, regardless of topology. Power injection may be required depending on system cabling topology and primary power supply wattage. See the <i>ECM S10 Setup Guide</i> or <i>eBUS Technology Reference Guide</i> for details.

ECM S10 — Receiver

Digital output	
Connectors	(1) 3.5 mm captive screw connectors, 2 pole
Low logic.....	0 VDC ~ 2.0 VDC
High logic	2.8 VDC ~ 5.0 VDC
Hysteresis.....	0.8 VDC
Pullup	fixed
Power output	
Connector	(1) 3.5 mm captive screw connectors, 2 pole provides power to transmitter
Power output	14 VDC @ 100 mA
Detecting distance	10 feet (3.0 m)
Operating angle	Transmitter/Receiver 3-15 degrees

ECM S10 — Transmitter

Light source.....	Infrared LED (870 nm wavelength)
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Software and control options

Configuration software	Global Configurator Plus and Professional
Programming software.....	Global Scripter
Control apps	Extron Control
Utilities	Toolbelt

General

Power	
Transmitter	14 VDC (supplied by ECM S10 receiver)
Receiver	12 VDC (supplied by an Extron IPCP Pro series control processor or an optional power supply)
Power consumption.....	1.0 watts (transmitter and receiver combined)
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 35% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 35% to 85%, noncondensing
Cooling	Convection, no vents
Thermal dissipation	
Transmitter	TBD BTU/hr
Receiver	TBD BTU/hr
Mounting	
Rack mount.....	No
Furniture or wall mount.....	Yes, in a standard 1-gang US, EU or MK junction box. Oversized, 1-gang Decorator style faceplate

Specifications • ECM S10 (Continued)

Enclosure type Plastic faceplate, metal mounting plate

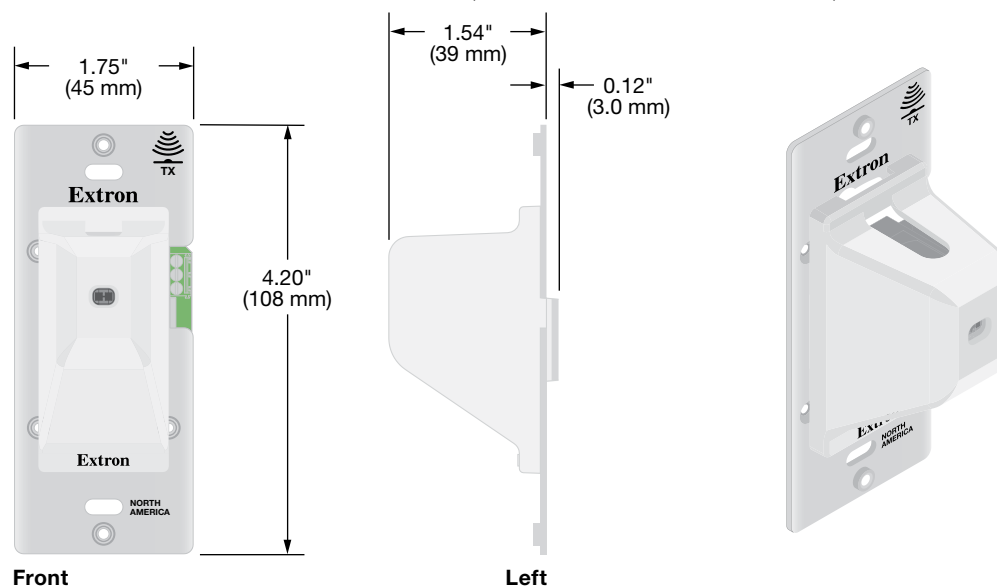
Enclosure dimensions

Faceplate (Transmitter and Receiver) Decorator style
4.50" H x 2.79" W (114 mm H x 71 mm W)

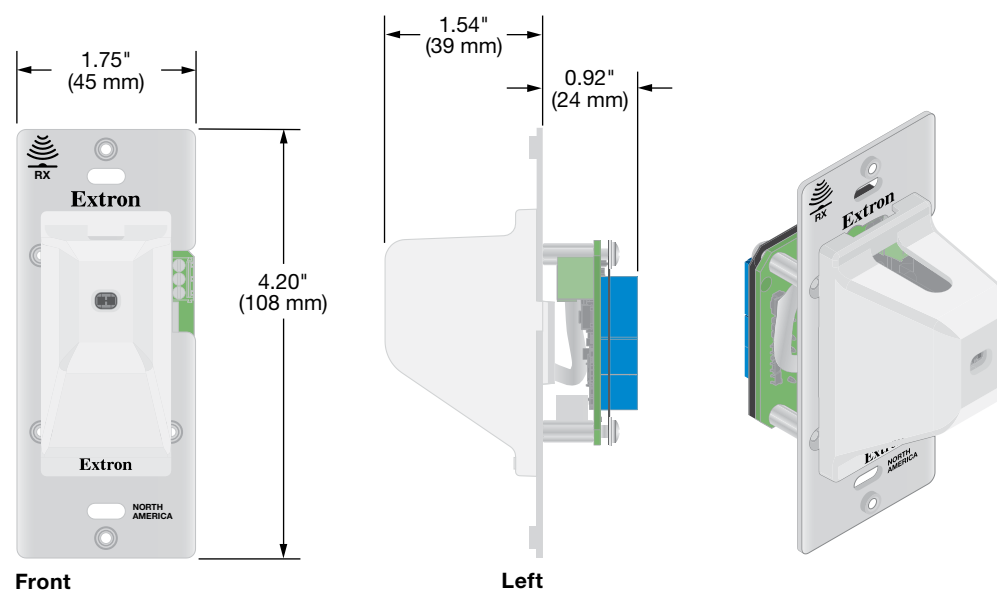
Device

Transmitter..... 4.20" H x 1.75" W x 1.66" D (108 mm H x 45 mm W x 42 mm D)

Receiver 4.20" H x 1.75" W x 2.46" D (108 mm H x 45 mm W x 63 mm D)



ECM S10 Transmitter



ECM S10 Receiver

Specifications • ECM S10 (Continued)

Product weight TBD lb (TBD kg)
Regulatory compliance..... CE, c-UL, C-Tick, FCC Class A, ICES, RoHS, UL, VCCI class A, WEEE
Product warranty 3 years parts and labor

NOTE: All nominal levels are at $\pm 10\%$.

NOTE: Specifications are subject to change without notice.

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