

PROTOCOL CONVERTERS

PC-501 S5 Bus to RF Protocol Converter

The PC-501 gives any INNCOM product participating in the Honeywell Integrated Room Automation System an RF transceiver for control of wireless products in the guestroom.

The PC501 protocol converter bridges the Honeywell Room Automation System with 3rd-party interfaces to provide onscreen room environmental control through TV, smartphone, or other digital devices. Using a USB cable both for power and for data transfer to a set-top box, the platform-independent PC501 can translate settings from the 3rd-party interface to standard P5 commands for heating, lighting, or other room equipment. In turn, the PC501 can forward information from the controlled environmental systems back through the 3rd-party interface for display and adjustment onscreen. The PC501 features S5bus and RF communications.



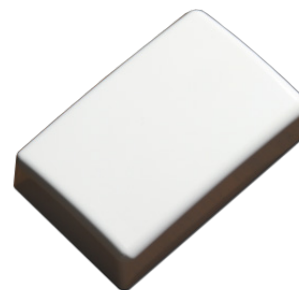
PC-501

PC-502.RF Protocol Converter

The wall mounted module can expand the range of a Mesh network or provide the protocol gateway from INNCOM S5-bus to RF protocols.

The unit's small size and aesthetic design facilitates its inconspicuous installation in the guestroom.

The PC-502.RF provides S5-bus to RF protocol conversion, giving any INNCOM product an RF transceiver for control of wireless products in the guestroom. In Honeywell's INNCOM Deep Mesh network, the PC- 502.RF is designed to patch areas within the network where signal strength is lost due to distance limitations or interference. It also serves to create multiple pathways, increasing the redundancy of the mesh communications to ensure maximum network reliability.



PC-502.RF

PC485 Protocol Converter

The PC485.S5 multipurpose module can facilitate several functions in the Honeywell Integrated Room Automation System. As an S5 to Floor Level Network (FLN5) protocol converter, the PC485.S5 provides room-gateway functionality for any S5bus member lacking inherent gateway functionality. With its one protected input and one 12VDC output, the PC485 is the preferred driver for external chimes and door switches. In conjunction with a power relay, the PC485 becomes a master lighting controller (the X09) as an interface between the occupancy sensor logic and unit controlled lighting loads. It's compact housing is designed to fit inside small enclosures.



PC485

FEATURES & BENEFITS



May be integrated with the INNCOM Room Automation System over the Deep Mesh Network with INNCOM's INNcontrol 3 software



Advanced RF connectivity
Allows for remote and battery powered switching
Quick and easy Installation

Protocol Converters Specifications

PC-501 S5BUS TO RF PROTOCOL CONVERTER	
DIMENSIONS	95mm x 95mm x 25mm
VOLTAGE	12VDC
MOUNTING	Surface Mount
INDOOR RF RANGE	100ft
COMMUNICATION	Wired S5bus communication
PROTOCOL	802.15.4
APPROVALS	FCC Mark, RoHas Approved
RF DATA RANGE	250Kbps
CONNECTOR	Mini-USB connector and cable
RF RECEIVE SENSITIVITY	-95dBm
HEADERS	Two S5bus headers
INTERFACE	Digivalet and Enseio
LEDS	Red indicates power; middle violet indicates transmission (Rx/Tx); outer violet indicates programming
FREQUENCY BAND	2.4Ghz
PC485.5S PROTOCOL CONVERTER	
HEADERS	Standard INNCOM headers and pin assignments
APPROVAL	FCC Listed

PC-502.RF PROTOCOL CONVERTER	
DIMENSIONS	1.85"W x 2.93"H x .826"D (48mm W x 74mm H x 21mm D)
ANTENNA TYPE	SMT
INDOOR RANGE	100ft
OUTDOOR/RF LINE-OF-SIGHT	1000ft+
TRANSMIT POWER	1mW (+0dBm)
RECEIVE SENSITIVITY	-94.6dBm
FREQUENCY BAND	2.4Ghz
ENCRYPTION	AES-128
PROTOCOL	802.15.4
FREQUENCY CHANNEL	11-26
INPUT VOLTAGE	12VDC
APPROVALS	FCC Part 15b listed
RF TRANCEIVER	2.4Ghz IEEE 802.15.4 compliant RF transceiver (CC2430 radio core)
RANGE DETERMINATIONS	Ranges are determined by performing an RF link quality test using e528.3G thermostats as the transmitter and the PC-502.x as the receiver. The maximum distance threshold is based on a 95% overall link quality. Outdoor ranges were conducted in a low noise, free air environment. Indoor ranges are for reference. Indoor ranges are a by the ambient environmental noise floor and building construction materials.

For more information

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