

X10

Low Voltage Controller

The X10 is a versatile component of Honeywell's INNCOM Integrated Room Automation System, containing several low-voltage inputs and outputs that can be used for lighting control, drupe control, guest annunciation inputs, occupancy detection, and 3rd Party switch and panel interfaces. The X10 interfaces with the Room Automation System using INNCOM's wired S5bus, to provide seamless integration of guestroom controls.

The X10 is provided in a DIN rail housing and is used in conjunction with the X06.DIN, D254.DIN, D254.FET, or X05R in a load center application.

S5Bus and DC Input

The X10 is designed to be powered by GND and +12VDC from pin 1 and 2 of H2 or H3. The X10's nominal current consumption is 100mA. INNCOM recommends the P564 (INNCOM PN: 01-9920) or the INNCOM P576 (INNCOM PN: 214-311) power supply with a 100-240VAC universal input and +12VDC output.

All X10 models are equipped with an on-board S5bus wired communication bus. Designing a reliably operating S5bus circuit depends on several factors such as the quality of cables, cable length, the number of devices, and the general segregation of the guestroom networks.

S5Bus and DC Input

The X10 digital inputs are versatile and can support several applications within the CBL32 software features set such as lighting, drupe, motion sensors, and door switch contact inputs. The inputs can be momentary contact, normally open, normally closed or toggled. All inputs on H8 are 5 volt logic pins. A voltage near 5V is interpreted as logic zero, while a voltage near 0V is considered a logic one. The input pin should never be connected to a voltage source greater than 5V or less than 0V, as damage to the circuit may occur. INNCOM does not recommend sourcing current from an input pin on X10.



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FEATURES & BENEFITS



Flexible hardware platform supports several applications



Optional in-room wireless network connections

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DEEP MESH RF

INNCOM's Deep Mesh technology is a 2.4 GHz wireless RF network that is optimized for the hotel guestroom controls equipment. The X10 can be optionally equipped with a PC-502 (PN: 201-502.2.WH) wireless transceiver connected on the S5bus which allows it to send and receive commands from the guestroom devices on the Deep Mesh network.

SPECIFICATIONS	
VOLTAGE	12VDC
CURRENT CONSUMPTION	Typical 100mA
DIGITAL INPUTS (H8)	8 digital inputs
DIGITAL OUTPUTS (H9)	8 open-collector digital outputs
ANALOG OUTPUTS (H6)	2 0-10VDC analog outputs
INDICATOR LED'S	Diagnostic LED, Status indication for digital Inputs and digital outputs
COMMUNICATIONS	S5bus, optional RS232 adapter
DIMENSIONS	86.2mm L x 78.4mm W x 60mm H
DIN RAIL TYPE	35mm W x 15MM H
MAXIMUM AMBIENT TEMPERATURE	(0°C to 30°C)
APPROVALS	FCC Part 15B, IC, ICES-003 / EN61000-6-3, EN61000-6-1 immunity

For more information

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