

HONEYWELL INNCOM RELAYS & CONTROLLERS

INNCOM relays and controllers extend the capabilities of the Integrated Room Automation System (IRAS) by electronically activating guestroom devices and sensors such as HVAC equipment, lighting, drapes, and an almost limitless range of IoT devices.

INNCOM relays are an easy way to integrate additional sensing, automation, and devices into your guestrooms. Expand the functionality of smart INNCOM thermostats by adding switching capabilities for heating / cooling, lighting, and other loads.*

* Some INNCOM switches and thermostats contain a limited number of onboard relays, including e7 and e528 EMS Thermostats, and MODEVA and EVORA Relay Wall Box Infrastructure.

X05R UNIVERSAL RELAY PACK

Equipped with eight 15A relays to switch a variety of loads, like motor, pump, heater, and lighting loads such as tungsten, light duty incandescent and fluorescent.



X05R

X05W WILLIAMS FCU CONTROLLER

Controls a Williams FCU from an INNCOM thermostat, by modulating the cooling, heating, and fan motors, and using a switched relay output to enable heat.



X05W

X06 UNIVERSAL RELAY PACK

Provides 1–5 relay outputs to switch a wide variety of loads, such as motor, pump, heater, and tungsten or other lighting loads.



X06

X06.DIN UNIVERSAL RELAY PACK

Enclosure is DIN-rail-mountable. Provides actuation for a variety of HVAC, PTAC, and FCU applications, as well as lighting and drapery control.



X06.DIN

X45.R8 UNIVERSAL RELAY PACK

Switching control of up to 8 lighting circuits. Can function individually or in unison to provide multiple lighting scenes. Supports an AC-power input range of 100–240VAC.



X45RA

X45RA UNIVERSAL RELAY PACK

Integrates lighting and guest room controls, such as dimmable 0–10V fluorescent ballasts and LED lights. Also includes low-voltage inputs and outputs to support guest annunciation, occupancy detection, and third-party switch and panel interfaces.

X47 UNIVERSAL RELAY PACK

Provides 5 relay outputs for a variety of loads, including FCU and general light-duty applications. Optionally supports low-voltage wired communication (S5bus) or wireless RF (with a PC502). Available in low power (24VAC) or line power (100–277VAC).



X47

INNCOM RELAYS & CONTROLLERS*

X05R Specifications	
PART NUMBER	01-9837
DIMENSIONS	3" W x 3.25" H x 2.5" D (78 mm x 85 mm x 60 mm)
VOLTAGE	110-120 VAC
RELAY OUTPUT	15A, 120 VAC Gen. Purpose 15A, 120 VAC Resistive 5A, 120 VAC Fluorescent 10FLA, 60LRA, 120VAC Motor 5A, 120 VAC Tungsten
COMMUNICATION	Wired S5 bus
ENVIRONMENT	95% max. RH non-condensing
APPROVALS	FCC, CE, UL

X05R CN Specifications	
PART NUMBER	01-9837.CN
DIMENSIONS	3" W x 3.25" H x 2.5" D (78 mm x 85 mm x 60 mm)
VOLTAGE	220-240VAC
RELAY OUTPUT	12A, 240VAC Gen. Purpose 12A, 240VAC Resistive 5A, 240VAC Florescent 5 FLA, 35 LRA 5A, 240VAC Tungsten
COMMUNICATION	Wired S5 bus
EXPANDER PORTS	2 TTL
ENVIRONMENT	95% max. RH non-condensing
APPROVALS	FCC Part 15B Compliant, CE Mark, UL Listed

X05W Specifications	
DIMENSIONS	6.14" W x 3.35" H x 2.28" D (156mm W x 85mm H x 58mm D)
VOLTAGE	12VDC
RELAY OUTPUT	16 A, 277 VAC Gen. Purpose 1HP, 120 VAC 2HP, 277 VAC 10 A, 120 VAC Tungsten 12 A, 240 VAC Gen. Purpose ½ HP, 120 VAC 1 HP, 240 VAC 15 A, 120 VAC Gen. Purpose
INPUTS	2 Analog Inputs 2 Digital Inputs
COMMUNICATION	Wired S5 bus
APPROVALS	FCC, CQC, RoHS Approved, CE Mark, UL Listed
ENVIRONMENT	95% max. RH non-condensing
CONFIGURATIONS	UL, CE Mark listed

X06 Specifications	
DIMENSIONS	6" W x 3" H x 2" D (152.3mm W x 76.1mm H x 50.8mm D)
VOLTAGE	100-277 VAC
CLASS	Isolated class II output
RELAY OUTPUT	Normally Closed: 30A, 240 VAC, Gen. Purpose 30A, 30 VDC 1-1/2 HP 250 VAC Normally Open: 20A, 277 VAC, Gen. Purpose 40A, 240 VAC, Resistive 2 HP 250 VAC 30A, 277 VAC
POWER SUPPLY	12VDC 400mA
INPUTS & OUTPUTS (VIA X05B ONLY WHEN CONNECTED)	Two Remote Thermistor Inputs Five Open Collector Inputs Six Digital Inputs Two 0-10 VDC Analog Outputs
COMMUNICATION	Wired S5 bus
EXPANDER PORTS (VIA X05B ONLY WHEN CONNECTED)	2 TTL
ENVIRONMENT	95% max. RH non-condensing
APPROVALS	FCC Part 15B Compliant, CE Mark, UL Listed

X06.DIN Specifications	
DIMENSIONS	6.14" W x 3.35" H x 2.28" D (156mm W x 85mm H x 58mm D)
VOLTAGE	12VDC
RELAY OUTPUT	16 A, 277 VAC Gen. Purpose 1HP, 120 VAC 2HP, 277 VAC 10 A, 120 VAC Tungsten 12 A, 240 VAC Gen. Purpose ½ HP, 120 VAC 1 HP, 240 VAC 15 A, 120 VAC Gen. Purpose
INPUTS & OUTPUTS (VIA MCM3 ONLY WHEN CONNECTED)	2 Analog Inputs 2 Digital Inputs
COMMUNICATION	Wired S5 bus
EXPANDER PORTS (VIA MCM3 ONLY WHEN CONNECTED)	2 TTL
APPROVALS	FCC, CQC, RoHS Approved, CE Mark, UL Listed
ENVIRONMENT	95% max. RH non-condensing
CONFIGURATIONS	X06-DIN.US—UL, CE Mark listed BOM

*For indoor use only

INNCOM RELAYS & CONTROLLERS*

X45RA Specifications	
DIMENSIONS	3.4" L x 3.1" W x 2.36" H (86.2mm L x 78.4mm W x 60mm H)
INPUT VOLTAGE (H3/H4)	12VDC
RELAY OUTPUT	Four relays total 120VAC 12A Max total output - 10A max. one relay, Resistive, Motor - 5A max. one relay, Tungsten 240VAC 4A Max total output - 5A max. one relay, Resistive, Motor - 2.5A max. one relay, Tungsten
CURRENT CONSUMPTION	Typical 300mA
INPUTS & OUTPUTS	4 open-collector digital outputs, 4 0-5 VDC Dry Contact Digital Input 2 Analog inputs
ANALOG OUTPUTS (H8 & H9)	4 0-10 VDC analog outputs
INDICATOR LEDS	Diagnostic LED, Status indication for analog and digital inputs and digital outputs
DIN RAIL TYPE	35mm x 15mm
MAXIMUM AMBIENT TEMPERATURE	0°C to 30°C, 0-95% RH Non-condensing
COMMUNICATIONS	Wired S5 bus
APPROVALS	FCC Part 15A, IC, EN60730-1 / EN61000-6-3, EN61000-6-1 immunity, RoHS EN 50581, UL 244A, UL 508

X45.R8 Specifications	
DIMENSIONS	3.4" L x 3.1" W x 2.36" H (86.2mm L x 78.4mm W x 60mm H)
INPUT VOLTAGE	12 VDC
RELAY OUTPUT	Eight relays total 120 VAC 12A Max total output - 10A max. one relay, Resistive, Motor - 5A max. one relay, Tungsten 240 VAC 4A Max total output - 5A max. one relay, Resistive, Motor - 2.5A max. one relay, Tungsten
CURRENT CONSUMPTION	Typical 400mA
INPUTS & OUTPUTS	4 open-collector digital outputs, 4 0-5 VDC Dry Contact Digital Input 2 Analog inputs
RELAY CONTACT RATING	120-240 VAC, 12A
INDICATOR LEDS	Diagnostic LED, Status indication for inputs and outputs
MAXIMUM AMBIENT TEMPERATURE	30°C, 95% max. RH non-condensing
COMMUNICATIONS	Wired S5 bus
APPROVALS	FCC Part 15A, IC, EN60730-1 / EN61000-6-3, EN61000-6-1 immunity, RoHS EN 50581, UL 244A, UL 508

X47 Specifications	
PART NUMBER	201-147
DIMENSIONS	2.75" W x 3.46" H x 1.5" D (70 mm W x 88 mm H x 38 mm D)
VOLTAGE	24 VAC
RELAY RATING	Line Voltage Model: K1: 3A, 277Vac Gen purpose, 3.6FLA, 21.6 LRA. K2-5: 3A, 277Vac Gen purpose 2.2FLA, 13.2 LRA, 0.7A Sealed, 7A Inrush 24 VAC Model: K1-K5: 1A, 10A Inrush Class 2 Pilot Duty
INPUTS & OUTPUTS	RS485 (requires external 203-250 dongle) Two analog in or external temperature sensor headers Two I/O - TTL port Two analog output (0-10V)
PARAMETER MEMORY	Non-volatile
TEMPERATURE RANGE	Operating Storage 32 to 104° F (0 to 40° C) -40 to 158° F (-40 to 70° C) 15-95% RH non-condensing
MOUNTING	4 hole mounting 6/32" bit, 1/2" screw
APPROVALS	UL, FCC, IC, CE MARK, CCC

X47.CE Specifications	
PART NUMBER	201-147.CE
DIMENSIONS	2.75" W x 3.46" H x 1.5" D (70 mm W x 88 mm H x 38 mm D)
VOLTAGE	220-240 VAC
RELAY OUTPUT	3A, 277 VAC, Gen. Purpose 12VDC, 240MA
INPUTS & OUTPUTS	RS485 (requires external 203-250 dongle) Two analog in or external temperature sensor headers Two I/O - TTL port Two analog output (0-10V)
PARAMETER MEMORY	Non-volatile
TEMPERATURE RANGE	Operating Storage 32 to 104° F (0 to 40° C) -40 to 158° F (-40 to 70° C) 15-95% RH non-condensing
MOUNTING	4 hole mounting 6/32" bit, 1/2" screw
APPROVALS	FCC, IC, CE MARK, CCC

For more information
inncom.com

Honeywell Hospitality
12 Clintonville Road
Northford, CT 06472
1-800-543-1999

*For indoor use only