INNCOM DIRECT D1-529 THERMOSTAT

Honeywell's INNCOM Direct is an energy management system tailored to provide an all-in-one control and management for a hotel's guestroom and common area HVAC systems.

Out of the box, INNCOM Direct D1-529 wireless thermostat is an essential part of Honeywell's online HVAC solution designed to reduce energy usage in guestroom and common area enabling hoteliers to reach sustainability goals faster. Additionally, INNCOM Direct provides the capability for portfolio management to optimize room and equipment performance to increase guest satisfaction and decrease operational costs.

The battery powered INNCOM Direct D1-529 thermostat functions as a programmable thermostat, automatically adjusting the fan speeds and valves to achieve a set temperature when coupled with the DX47 HVAC Controller. The D1-529 thermostat delivers superior convenience, comfort and energy management for both guests and hoteliers and uses INNCOM's low cost, self-forming RF mesh network for wireless communications, fast setup, and easy maintenance.

The INNCOM Direct D1-529 thermostat is equipped with an array of on-board sensing capability including temperature, humidity, motion, and photo sensors. When used in combination with the DX47 HVAC Controller, the D1-529 becomes a central component for an online HVAC energy management system.

APPLICATIONS

The INNCOM Direct D1-529 thermostat when connected to the INNCOM Direct Dashboard, provides key insights such as equipment status and room occupancy. It enables a hotel or portfolio owner to remotely manage and control the HVAC system using a broader setback band when the room is unoccupied or unrented for a set length of time. A wider setback band can also be used when the room is in hibernation for off-season or extended away periods. It can also receive inputs from other smart devices and points in the room, such as a remote motion sensors, door, window, and a balcony sensor transmitting their status to the INNCOM Direct Dashboard.

FEATURES AND HIGHLIGHTS

- All-in-one system – both hardware and software
- Property wide – both guestrooms and common areas
- Occupancy and Scheduled Energy Savings
- No system engineering or commissioning experience needed.

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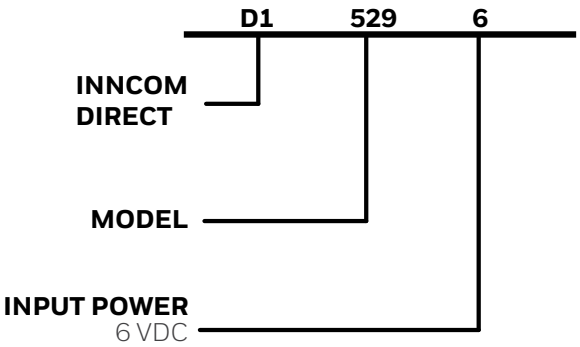
PART NUMBERS

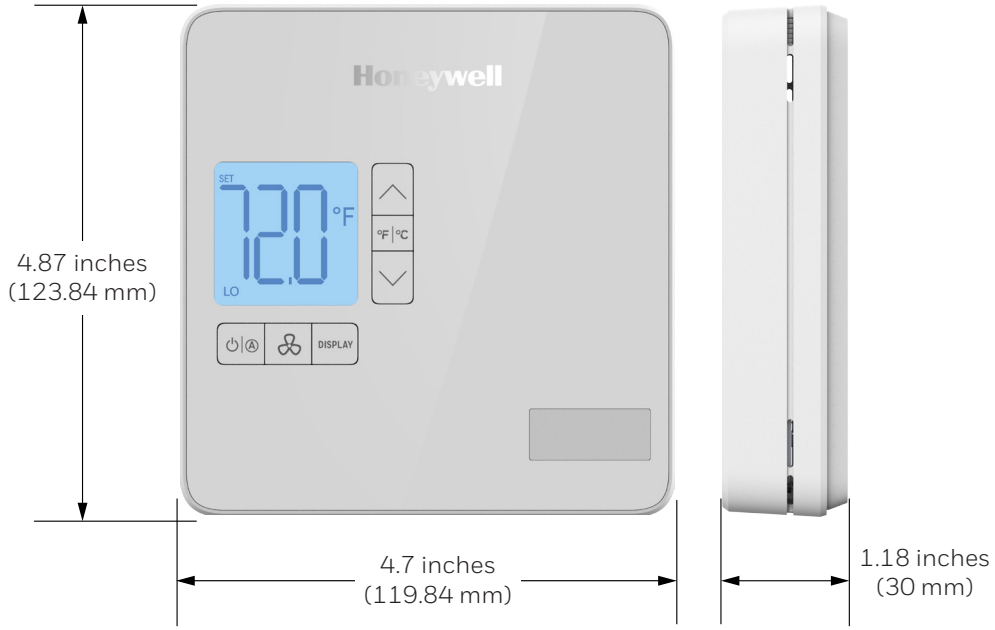


ORDERING PART NUMBERS

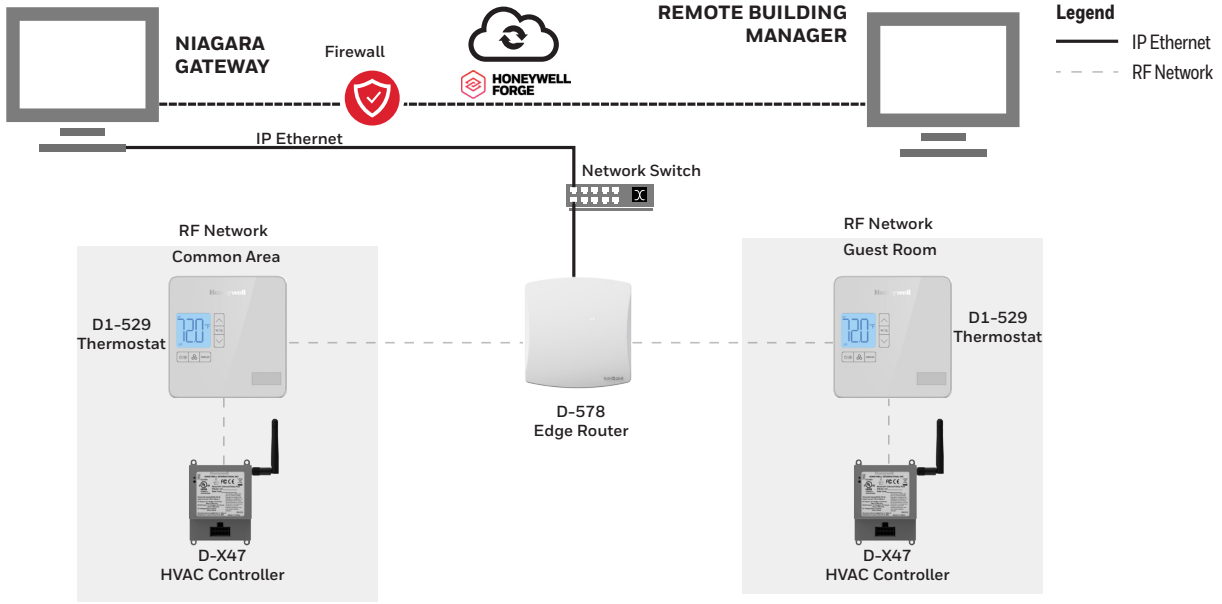
INNCOM DIRECT THERMOSTAT PART NUMBER	
PART NUMBER	**DESCRIPTION**
D1-529-6V	INNCOM Direct thermosat 6 VDC input power supply

ANCILLARY PARTS	
PART NUMBER	**DESCRIPTION**
35-4000	4 piece AA Alkaline Batteries
241-023	4 piece #6-32 ¾ Philips Pan Head

DIMENSIONS



SYSTEM OVERVIEW



PRODUCT SPECIFICATIONS

GENERAL

PARAMETER	SPECIFICATION
Standard Color Options	White
Thermostat Measurment Range	33 °F to 99 °F (1 °C to 37 °C)
Outdoor Air Temperature Display	0 °F to 99 °F (-18 °C to 37 °C)
Standard Deadband	2 °F (1 °C) between heating and cooling
RF Data Rate	250 kbps
Indoor Range	70 ft - 100 ft+ (21.3 m - 30.48 m)
RF Transmit Power	+3.5 dBm
RF Receive Sensitivity	-93 dBm
Frequency Band	2.4 Ghz
Frequency Channels	11-26
Protocol	802.15.4

SENSORS

PARAMETER	SPECIFICATION
Temperature	33 °F to 99 °F ± 1.8 °F (1 °C to 37 °C ±1 °C)
Humidity	3 % RH, in range from 30-95 % RH
PIR (motion)	120° View Angle, 10 M line of sight
Lux (ambient light)	Gamma Value 0.7. Spectral response 550-650 nm

STANDARDS AND APPROVALS

FCC ID: GTC202153TXR (FCC Part 15 subpart B and C class B)	
IC ID: 1609A-202153TXR	
Prop65	
2011/65/EU	Hazardous substances (RoHS I + II), amended by (EU) 2015/863 (RoHS III)

ELECTRICAL

PARAMETER	SPECIFICATION
Power Requirements	6 VDC

ENVIRONMENTAL SPECIFICATIONS

PARAMETER	SPECIFICATION
Operating Temperature	32 °F to 104 °F (0 °C to 40 °C), 0-99% RH noncondensing
Storage Temperature	60 °F to 85 °F ± 1°F (15 °C to 30 °C ± 0.5 °C)
Humidity	0-99 % RH noncondensing

WEIGHT AND DIMENSIONS

PARAMETER	SPECIFICATION
Dimensions (W x H x D)	4.7 inches x 4.87 inches x 1.18 inches (119.84 mm x 123.84 mm x 30 mm)
Shipping Weight	0.6 lbs (0.27 kg)
Mounting	Standard US Double Gang (4 inches x 4 inches), Dry wall

DISPLAY

PARAMETER	SPECIFICATION
Display Resolution	Whole degree °F, 0.5 °C (0.1 °F in test mode)
C/F Degrees Display	Flat button on front lens

COMMUNICATION

PARAMETER	SPECIFICATION
Wireless Communications	ZigBee RF, Deep Mesh

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