

INNCOM DD15 INTERFACE MODULE

Daikin North America LLC and Honeywell have jointly developed an organically integrated system which allows Honeywell's INNCOM Integrated Room Automation system to provide direct digital control of the Daikin Variable Refrigerant Volume (VRV) heat recovery system.

This is an industry first solution that provides the hotelier an intelligent integrated room automation system capable of connecting all of the guestroom devices to control room temperature, lighting drapes and amenities, in-room 3rd party integration of door locks, as well as connect to the INNcontrol™ 3 software on a central server over the Deep Mesh Network, with the efficiency of Daikins VRV system.



FEATURES & BENEFITS



Integrated VRV capability
tailored specifically
for hospitality

Ideal for new installation
and retrofit

Compact interface module



Energy efficient solution
with lower costs than
traditional FCU systems

Maximized dehumidification capability

Quieter



In-room 2.4Ghz RF wireless network communications

Over-the-air loadable for easy installation, commissioning, and maintenance



Software control of the field settings for the Daikin VRV in door unit (IDU)

Error reporting from the Daikin system to the INNcontrol 3 application on the central server

Honeywell

INNCOM DD15 INTERFACE MODULE

Specifications	
INPUT VOLTAGE (P4)	16VDC
DC OUTPUT (P3)	12V, 30mA (50mA Peak)
CURRENT CONSUMPTION	Typical 100mA.
BIND SWITCH	Recessed switch used for commissioning and binding (S1)
INDICATOR LED'S	Diagnostic LED (green), Transmit activity (Yellow), Receive activity (Red)
COMMUNICATIONS	S5bus for wired bus communication, 2.4Ghz wireless RF Transceiver for Deep Mesh RF communication
DIMENSIONS	84.5mm (L) x 47mm (W) x 29mm (H)
MAXIMUM OPERATING TEMPERATURE	(0°C to 40°C)
MAXIMUM STORAGE TEMPERATURE	-40°C – 70°C
RELATIVE HUMIDITY	5 – 90%RH Non-Condensing
RF DATA RATE	250kbps
ANTENNA TYPE	SMT
INDOOR RANGE	100ft
OUTDOOR/ RF LINE-OF-SIGHT RANGE	1000ft+
TRANSMIT POWER	10mW (+18dBm)
RECEIVE SENSITIVITY	-94.6dBm
FREQUENCY BAND	2.4Ghz
ENCRYPTION	AES-128
PROTOCOL	802.15.4
FREQUENCY CHANNELS	11-26
APPROVALS	FCC 47CFR PT 15.247 Issued:2004/10/01 Operation within the bands 902-928MHz, 2400-2483.5MHz and 5725-5850MHz RSS-247 Issue: 2015/05/22 Issue 1 Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and License-Exempt Local Area Network (LE-LAN) Devices FCC 47CFR PT 15 SPT B Issued:2013/01/28 Title 47 CFR Part 15 Subpart B: Unintentional Radiators ICES 003 Issued: 2012/08/01 Spectrum Management and Telecommunications Interference-Causing Equipment Standard EN 300 328:2015 V1.9.1 EMC & Radio Spectrum Matters (ERM); Wideband Transmission Systems Data Transmission Equipment Operating in the 2.4GHz ISM Band & Using Wide Band Modulation Techniques Harmonized EN for Article 3.2- R&TTE Directive EN 300 489-1 V1.9.2 Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements EN 301 489-17 Electromagnetic compatibility and radio spectrum matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment; Part 17: Specific Conditions for broadband data transmission systems –V2.1.1 N 55022 Issue:2010/12/01 Information Technology Equipment-Radio Disturbance Characteristics – Limits and Methods of Measurement, Includes COR 2011/10/01 EN 55024 Issue: 2010/11/01 Information Technology Equipment – Immunity Characteristics Limits and Methods of Measurement.

Honeywell Building Technologies

12 Clintonville Road
Northford, CT 06472
1-800-543-1999
www.inncom.com

01-00161 | 09/20
© 2020 Honeywell International Inc.

Honeywell