# Honeywell

## BlueDiamond<sup>™</sup>Readers

**Quick Reference Guide** 

## SPECIFICATIONS

Performance Level for Access Control This product complies with the following UL 294, 6th edition Access Control Performance Levels:

Feature Level Standby Power Endurance IV Prox I Bluetooth® Line Security Destructive Attack

See the UL listed access control unit controller installation instructions for reader compatibility.

#### Environmental

Operating Temperature -31°F to + 151°F (-35°C to +66°C) Humidity 86 ±3°F (85 ±5% at 30 ±2°C) Ingress Protection IP65 (not evaluated by UL) Suitable for OUTDOOR use. Positioning

Electrical

Power supply Power is to be provided by a UL 294 Listed, low-voltage Class 2 Limited Power Supply or controller, capable of 4 hours standby. +10Vdc to +16Vdc Voltage

Current: maximum average measured at 10Vdc

Model	Part No.	Normal Standby	Operating	
HON-R11330-05TB	BD Mullion	60mA	75mA	
HON-R11320-05TB	BD S-Gang	60mA	75mA	
HON-R11325-05TB	BD S-Gang Keypad	65mA	100mA	

Data Output	Wiegand, Open Supervised Device Protocol (OSDP), OSDP Secure Channel (SC), F/2F
Indication	1 RGB LED + RGB LED illuminated keypad to: HON-R11325-05TB
Sounder	Integral speaker

Specifications subject to change without notice.

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100-02971-B-HONEYWELL



### Bluetooth<sup>®</sup> 4.0

The Bluetooth word, mark and logo are registered trademarks of Bluetooth SIG, Inc.

- Honeywell BlueDiamond<sup>™</sup> mobile application for: .
- iOS version 10.0 and later .
- Android OS version 6.0 and greater
- Device PIN Code / Biometric security enabled System Monitoring for Bluetooth configurations



NFC support for Apple and Google

#### Supported Card Technologies in Multi-Tech Modes

125kHz pro - HID® Pro	<b>oximity cards</b> ximity	13.56MHz smart cards - MIFARE® DESFire® EV1/EV2/EV3					
Supported Card	Technologies not eval	uated by UL.					
- AWID® Pr	oximity	- MIFARE Cla	- MIFARE Classic® - ISO 14443				
- CASI/GE	Security ProxLite	- Vicinity Card Serial Number - ISO 15693 - HID® iCLASS					
Dimensions							
Dimensions	Model	Part No.	Size - Inches (millimetres)				
	HON-R11330-05TB	BD Mullion	3.8 x 2.1 x 0.8 in (96 x 52 x 21)				

HON-R11330-05TB	BD Mullion	3.8 x 2.1 x 0.8 in (96 x 52 x 21)
HON-R11320-05TB	BD S-Gang	4.7 x 3.0 x 0.8 in (120 x 76 x 21)
HON-R11325-05TB	BD S-Gang Keypad	4.7 x 3.0 x 0.8 in (120 x 76 x 21)

Wiring

Wiring methods shall be in accordance with the National Electrical Code (ANSI/NFPA70), local codes, and the authorities having jurisdiction. Up to 492 feet (150m) from controller. Cable length **Recommended for Wiring** 

Cable type (S)F/2F.	BELDEN 953x (or equivalent UL listed) for Wiegand and
	BELDEN 9502 (or equivalent UL listed) for RS-485.
Minimum wire size	Not less than 24 AWG.
Shielding	Connect the reader's ground wire to cable shielding and connect shield wires at the microcontroller.

All cables and wiring must be UL listed and suitable for use



radioélectrique subi, même si le brouillage est susceptible

d'en compromettre le fonctionnement



Mounting this reader on (or near) metal may impair the read range of the unit.

### **BD Mullion Mobile Enabled**

#### HON-R11330-05TB

125kHz 13.56MHz Supra<sup>®</sup> BTLE (2.4GHz) Wiegand OSDP and SF/2F outputs

**BD S-Gang** 

125kHz

13.56MHz

Wiegand

Mobile Enabled





**BD S-Gang Keypad Mobile Enabled** 

#### HON-R11325-05TB

125kHz 13.56MHz Supra<sup>®</sup> BTLE (2.4GHz) Wiegand OSDP and SF/2F outputs

EU Directive 2014/53/EU



This symbol on the product or on its packaging indicates that the product must not be disposed of with normal household waste. Instead, it is your responsibility to dispose of your waste equipment by arranging to return it to a designated collection point for the recycling of waste electrical and electronic equipment. By separating and recycling your waste equipment at the time of disposal you will help to conserve natural resources and ensure that the equipment is recycled in a manner that protects human health and the environment

EU Directive 2012/19/EU

For more information on warranty disclaimers and product safety information, please check



http://hwll.co/BlueDiamone or scan the QR code





#### LED Behaviour TABLE

Expected LED Behaviour based on above Reader to Interface wiring

Card Reader Modes OSDP		WIEGAND				Supervised F/2F			
OnGuard Software Setting for Mode		* Preferred wiring	2-WIRE LED		1-WIRE LED				
1	Card and PIN	1	Blinking Red to Blinking Yellow	1	Red and Blue - Alternating	1	Solid Blue	1	Solid Blue
2	Card Only	2	Blinking Red	2	Red and Blue - Alternating	2	Solid Blue	2	Solid Blue
3	Card or PIN	3	Blinking Red	3	Red and Blue - Alternating	3	Solid Blue	3	Solid Blue
3b	PIN only	3b	Blinking Red to Solid Yellow	3b	Red and Blue to Solid Yellow	3b		3b	Solid Blue to Solid Yellow
4	Cipher Lock emulation	4	Blinking Red	4	Red and Blue - Alternating	4	Solid Blue	4	Solid Blue
5	Facility Code mode	5	Blinking Red	5	Red and Blue - Alternating	5	Solid Blue	5	Solid Blue
6	Locked	6	Solid Red	6	Solid Red	6	Solid Blue	6	Solid Blue
7	Unlocked	7	Solid Green	7	Solid Green	7	Solid Green	7	Solid Green
8	Default State when Powered On line	8	Red and Blue - Alternating	8	Red and Blue - Alternating	8	Red / Green / Blue then Solid Blue	8	Red / Green / Blue then Solid Blue
9	Access Granted	9	Blinking Green (2-Beeps)	9	Green and Blue - Alternating	9	Green and Blue - Alternating	9	Yellow Flash to Solid Green (1-Beep)
10	Access Denied	10	Solid Red (3-Beeps)	10	Solid Red	10	Blue (Flashes for a second)	10	1-Yellow Flash (1-Beep)
11	Waiting for PIN	11	Blinking Yellow	11	Flashing Yellow	11	Blue and Yellow - Alternating	11	Solid Yellow
12	Waiting for Second Card	12	Blinking Green	12	Green and Blue - Alternating	12	Green and Blue - Alternating	12	Solid Yellow (1-Beep)

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