FO-55113-C

HONEYWELL PART NUMBER
WDRR SERIES CHART 1

REV	DOCUMENT	CHANGED BY	CHECK
A	0076822	SBH 19MAY11	CMH

WDRR

GEN CODE	
1	VERSION 1

RF CODE	
A	2.4 GHz; IEEE 802.15.4

ANTENNA TYPE CODE 6 1	
00	NO ANTENNA; RP-SMA CONNECTOR JACK 1
01	2.2dBi OMNI WITH INTEGRAL MOUNT; STRAIGHT DESIGN
02	2.2dBi OMNI WITH INTEGRAL MOUNT; TILT & SWIVEL DESIGN
03	3.0 dBi OMNI WITH REMOTE ADHESIVE MOUNT & 9.8 FOOT CABLE
04	5.5 dBi OMNI WITH REMOTE MAGNETIC MOUNT; TILT & SWIVEL DESIGN & 5 FOOT CABLE 3
05	5.5 dBi OMNI WITH REMOTE MAGNETIC MOUNT; TILT & SWIVEL DESIGN & 10 FOOT CABLE 3
06	9.0 dBi OMNI WITH REMOTE MAGNETIC MOUNT; TILT & SWIVEL DESIGN & 5 FOOT CABLE 3
07	9.0 dBi OMNI WITH REMOTE MAGNETIC MOUNT; TILT & SWIVEL DESIGN & 10 FOOT CABLE 3
08	8.0 dBi OMNI WITH REMOTE BRACKET MOUNT; STRAIGHT DESIGN & 3 FOOT CABLE
09	8.0 dBi OMNI WITH REMOTE BRACKET MOUNT; STRAIGHT DESIGN & 11 FOOT CABLE
10	2.1 dBi OMNI WITH INTEGRAL MOUNT; STRAIGHT DESIGN & 10 FOOT CABLE
11	0 dBi OMNI WITH INTEGRAL MOUNT; STRAIGHT DESIGN

COUNTRY USE CODE 1	
A	US, CANADA, MEXICO
B	ALL OTHER APPROVED COUNTRIES 4

OUTPUT CODE	
0	NPN/PNP SELECTABLE

CHANNEL CODE	
A	14 CHANNELS

SPECIALS	

NOTES:

1 - WDRR WILL REQUIRE AN ANTENNA TO FUNCTION PROPERLY. REFER TO THE COUNTRY USE CODE CHART FOR ANTENNA SELECTION.

2 - FUNCTIONS OF LED'S AND SWITCHES ARE DESCRIBED IN THE WDRR INSTALLATION AND TECHNICAL MANUAL.

3 - 5.5 dBi AND 9.0 dBi ANTENNAS RATED FOR LIMITED OUTDOOR EXPOSURE. PROTECT AGAINST DIRECT RAIN, SLEET, SNOW AND ICE ETC EXPOSURE.

4 - ONLY ANTENNA TYPE CODES 00, 01, 02, 03, 05, 10 & 11 AVAILABLE WITH COUNTRY USE CODE B, ALL ANTENNA TYPE CODES AVAILABLE FOR COUNTRY USE CODE A.

5 - FURNISHED UNASSEMBLED, SUPPLIER: SCIDYNE, P/N: 121-0004, NEWARK P/N: 50F2979 (OPTIONAL USE).

6 - FOR ADDITIONAL ANTENNA DETAILS SEE INDIVIDUAL HONEYWELL DRAWINGS LISTED IN THE ACCESSORIES & REPLACEMENT COMPONENTS CHART.

7 - OPTIONAL ACCESSORIES & REPLACEMENT COMPONENTS PER THE ATTACHED CHART ARE OFFERED FOR SALE BY HONEYWELL.

8 - ANTENNA & ELECTRICAL CONNECTIONS ARE DESCRIBED IN THE WDRR INSTALLATION AND TECHNICAL MANUAL.

9 - DO NOT APPLY DIRECT POWER (SUPPLY VOLTAGE "+" OR "-") TO ANY OF THE OUTPUT ELECTRICAL CONNECTORS.

10 - RoHS AND REACH COMPLIANT.

ACCESSORIES & REPLACEMENT COMPONENTS CHART 7

ACCESSORY CATALOG LISTING	SEE HONEYWELL DRAWING	DESCRIPTION
WAN01RSP	WAN01RSP	REPLACEMENT ANTENNA FOR ANTENNA TYPE CODE 01
WAN02RSP	WAN02RSP	REPLACEMENT ANTENNA FOR ANTENNA TYPE CODE 02
WAN03RSP	WAN03RSP	REPLACEMENT ANTENNA FOR ANTENNA TYPE CODE 03
WAN04RSP	WAN04RSP	REPLACEMENT ANTENNA FOR ANTENNA TYPE CODES 04 & 05, ANTENNA ONLY
WAN05RSP	WAN05RSP	REPLACEMENT ANTENNA FOR ANTENNA TYPE CODES 06 & 07, ANTENNA ONLY
WAN06RNJ	WAN06RNJ	REPLACEMENT ANTENNA FOR ANTENNA TYPE CODES 08 & 09, ANTENNA ONLY
WAN07RSP	WAN07RSP	REPLACEMENT ANTENNA FOR ANTENNA TYPE CODE 11
WCA200RNPRSP-002	WCA200RNPRSP	REPLACEMENT CABLE FOR ANTENNA CODE 08, CABLE ONLY
WCA200RNPRSP-010	WCA200RNPRSP	REPLACEMENT CABLE FOR ANTENNA CODE 09, CABLE ONLY
WAMM100RSP-005	WAMM100RSP	REPLACEMENT MAGNETIC MOUNT & CABLE FOR ANTENNA CODES 04 & 06
WAMM100RSP-010	WAMM100RSP	REPLACEMENT MAGNETIC MOUNT & CABLE FOR ANTENNA CODES 05, 07 & 10

COUNTRY USE CODE CHART

COUNTRY USE CODE A

ANTENNA TYPE CODE ALLOWED FOR USE	ANTENNAS ALLOWED TO BE USED FOR INTEGRAL MOUNT	ANTENNAS ALLOWED TO BE USED FOR REMOTE MOUNT	ANTENNAS ALLOWED TO BE USED WITH MAGNETIC REMOTE MOUNT ASSEMBLIES WAMM100RSP-005 WAMM100RSP-010	ANTENNAS ALLOWED TO BE USED WITH ONE (1) EXTENSION CABLE ASSEMBLIES REMOTE MOUNT WCA200RSJRSP-002 WCA200RSJRSP-005 WCA200RSJRSP-010 WCA200RSJRSP-015 WCA200RSJRSP-020	ANTENNAS ALLOWED TO BE USED WITH ONE (1) EXTENSION CABLE ASSEMBLIES FOR REMOTE MOUNT WCA200RNPRSP-002 WCA200RNPRSP-010
00 01 02 03 04 05 06 07 08 09 10 11	WAN01RSP WAN02RSP WAN04RSP WAN05RSP WAN07RSP WAN08RSP	WAN03RSP WAN06RNJ WAN09RSP WAN10RSP WAN11RSP	WAN01RSP WAN02RSP WAN04RSP WAN05RSP WAN07RSP WAN08RSP	WAN01RSP WAN02RSP WAN03RSP WAN04RSP WAN05RSP WAN07RSP WAN08RSP WAN09RSP WAN10RSP WAN11RSP	WAN06RNJ

COUNTRY USE CODE B

ANTENNA TYPE CODE ALLOWED FOR USE	ANTENNAS ALLOWED TO BE USED FOR INTEGRAL MOUNT	ANTENNAS ALLOWED TO BE USED FOR REMOTE MOUNT	ANTENNAS ALLOWED TO BE USED WITH MAGNETIC REMOTE MOUNT ASSEMBLIES WAMM100RSP-005	ANTENNAS ALLOWED TO BE USED WITH MAGNETIC REMOTE MOUNT ASSEMBLIES WAMM100RSP-010	ANTENNAS ALLOWED TO BE USED WITH ONE (1) EXTENSION CABLE ASSEMBLIES FOR REMOTE MOUNT WCA200RSJRSP-002 WCA200RSJRSP-005 WCA200RSJRSP-010 WCA200RSJRSP-015 WCA200RSJRSP-020
00 01 02 03 05 10 11	WAN01RSP WAN02RSP WAN07RSP WAN08RSP	WAN03RSP WAN09RSP WAN10RSP	WAN01RSP WAN02RSP WAN07RSP WAN08RSP	WAN01RSP WAN02RSP WAN04RSP WAN07RSP WAN08RSP	WAN01RSP WAN02RSP WAN03RSP WAN07RSP WAN08RSP WAN09RSP WAN10RSP WAN11RSP

COUNTRY USE CODE	COMMUNICATION AGENCY APPROVAL	COUNTRY
A	IC, COFETEL, FCC	CANADA, MEXICO, US
B	ACMA, ETSI, WPC, IDA	AUSTRALIA, EUROPEAN COUNTRIES*, INDIA

*REFER TO WDRR INSTALLATION AND TECHNICAL MANUAL FOR FULL LIST OF COUNTRIES APPROVED

WDRR PRODUCT SPECIFICATION CHART

SUPPLY VOLTAGE	10 - 28VDC
SUPPLY CURRENT	500mA MAX.
OUTPUT TYPE	NPN TYPE - CURRENT SINKING OR TOTEM POLE (CURRENT SINKING); PNP TYPE - CURRENT SOURCING OR TOTEM POLE (CURRENT SOURCING)
OUTPUT VOLTAGE	SUPPLY VOLTAGE MINUS 1.4VDC
LOAD CURRENT	10mA MAX.
LEAKAGE CURRENT	100 uA MAX.
VOLTAGE DROP	2 VDC MAX. @ MAX. LOAD @ 25°C [77°F]
SEALING	IP 20
REVERSE POLARITY PROTECTION	YES
EMC	LATEST APPLICABLE STANDARDS: EN 300 328, V1.7.1; EN 61326-1 (2006); EN 301 489-1, V1.8.1; EN 301 489-17, V2.1.1
SHOCK	IEC 60068-2-27; HALF SINE, 10g, 6mS, 3 AXIS
VIBRATION	IEC 60068-2-6; 10-500Hz W/ 0.35 mm - PEAK-TO-PEAK, 58-500 Hz- 5g
OPERATING TEMPERATURE	-20°C TO 70°C [-4°F TO 158°F]
RADIO MODULE	DIGI INTERNATIONAL XBee - PRO® WITH RP-SMA ANTENNA CONNECTOR
WIRELESS STANDARD	WPAN IEEE 802.15.4 DIRECT SEQUENCE SPREAD SPECTRUM (DSSS), 2.4 GHz
DATA RATE	250 kbps
OPERATING FREQUENCY	ISM 2.4 GHz
RF MODULE TRANSMIT POWER MAX	COUNTRY CODE "A": 20 dBm COUNTRY CODE "B": 8 dBm
RECEIVE SENSITIVITY (TYP.)	-100 dBm
DIN RAIL SIZE	35mm X 7.5mm (1.38 in. X 0.30 in.)
WEIGHT	235 gms. APPROX. WITHOUT ANTENNA

DESIGN UNITS: INCH
TOLERANCES UNLESS NOTED:

NO PLACES	X	±	.4
ONE PLACE	.X	±	.030
TWO PLACE	.XX	±	.015
THREE PLACE	.XXX	±	.005
ANGLES	X	±	3°

THIRD ANGLE PROJECTION

DRAWN	SBH	25APR11
CHECK	LK	25APR11

INTERPRET PER ASME Y14.5M-1994
OTHER HONEYWELL ENGINEERING STANDARDS MAY APPLY

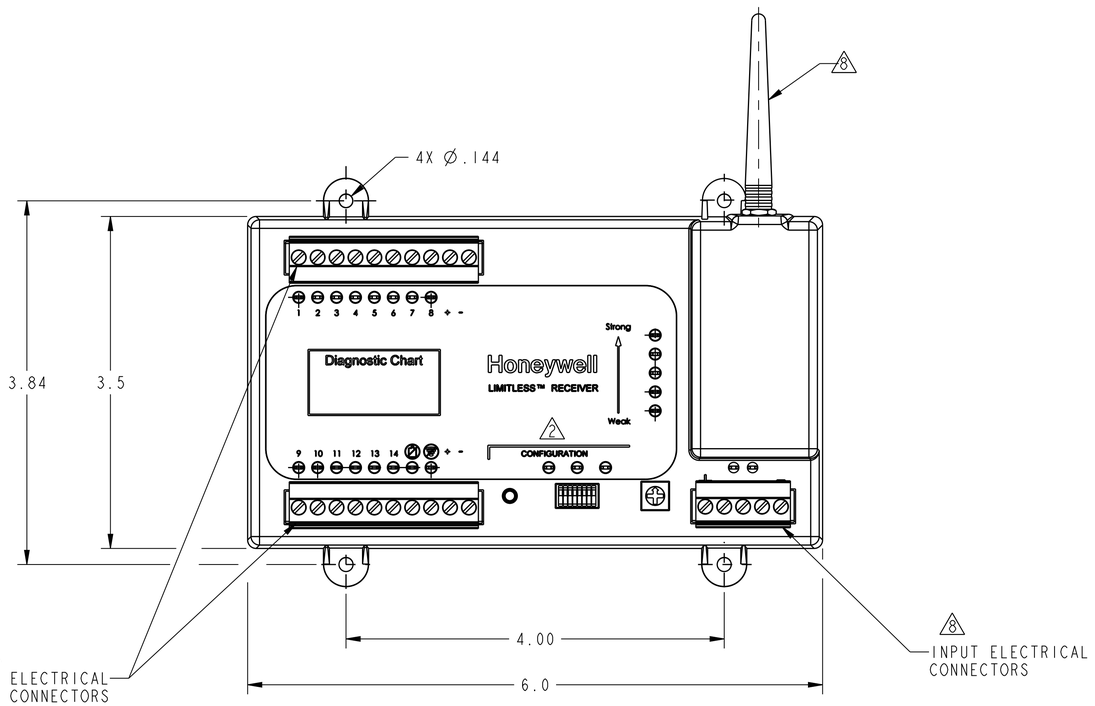
Pro/ENGINEER 2D

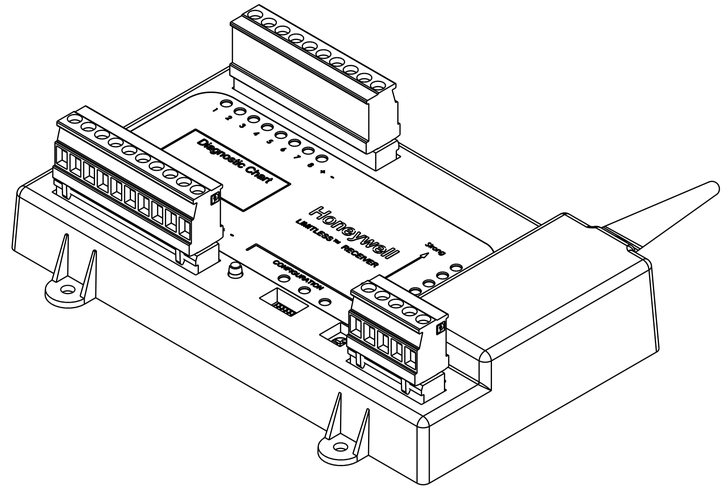
Honeywell

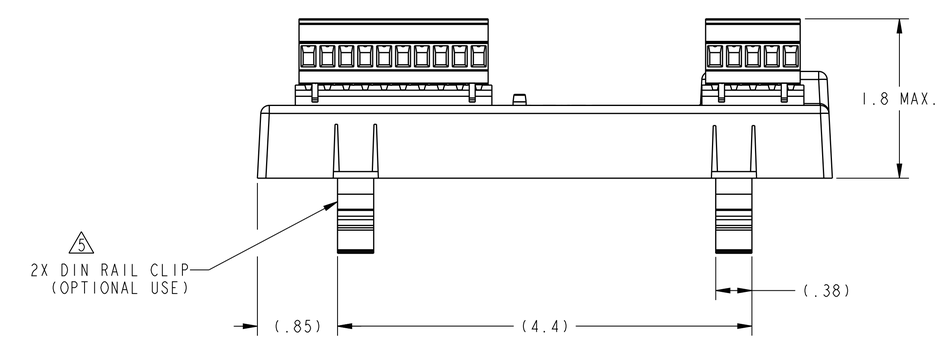
TITLE: RECEIVER ASSEMBLY, WIRELESS

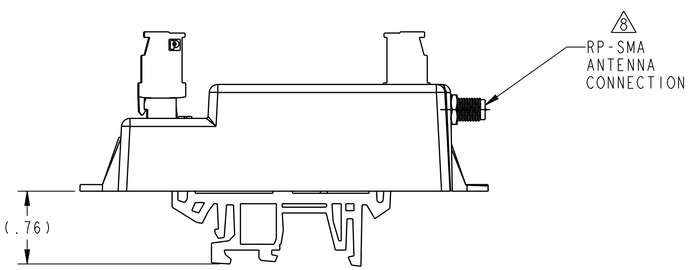
SIZE	TYPE	CAGE CODE	DRAWING NAME	REV
D	1	-	WDRR SERIES CHART 1	A

SCALE NONE SHEET 1 OF 2









Honeywell

SIZE	TYPE	CAGE CODE	DRAWING NAME	REV
D	1	-	WDRR_SERIES_CHART_1	A

SCALE NONE