

FO-55113-C

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REV	DOCUMENT	CHANGED BY	CHECK
D	0097168	SBH 14JAN13	CMH

WLS

GEN CODE		RF CODE		ANTENNA TYPE CODE		COUNTRY USE CODE		HEAD CODE		MODIFICATION CODE (BT2, BT4, AND RS2 ONLY)		SPECIALS	
1	VERSION 1	A	2.4 GHz IEEE 802.15.4	00	NO ANTENNA RP-SMA CONNECTOR JACK	A	US, CANDA, MEXICO	Q	SEE SPECIALS	NONE	HEAD ASSEMBLED WITH CABLE GRIP/CONNECTOR/TARGET TO LABEL SIDE	BT1	INTERNAL BATTERY WITH M12 MICRO CONNECTOR ON TOP OF HEAD FOR EXTERNAL SWITCH CONNECTION
				02	2.2dBi OMNI WITH SWITCH MOUNT TILT AND SWIVEL DESIGN	B	ALL OTHER APPROVED COUNTRIES		HEAD ASSEMBLED WITH CABLE GRIP/CONNECTOR/TARGET TO RIGHT SIDE	BT2	INTERNAL BATTERY WITH M12 MICRO CONNECTOR ON SIDE OF HEAD FOR EXTERNAL SWITCH CONNECTION		
				11	0dBi OMNI WITH SWITCH MOUNT STRAIGHT DESIGN		HEAD ASSEMBLED WITH CABLE GRIP/CONNECTOR/TARGET TO LEFT SIDE	BT3	INTERNAL BATTERY WITH CABLE GRIP ON TOP OF HEAD FOR EXTERNAL SWITCH CONNECTION				
											HEAD ASSEMBLED WITH CABLE GRIP/CONNECTOR/TARGET TO MTG SURFACE	BT4	INTERNAL BATTERY WITH CABLE GRIP ON SIDE OF HEAD FOR EXTERNAL SWITCH CONNECTION
												RS1	INTERNAL BATTERY WITH REED SWITCH TARGET ON TOP OF HEAD
												RS2	INTERNAL BATTERY WITH REED SWITCH TARGET ON SIDE OF HEAD

COUNTRY USE CODE CHART

COUNTRY USE CODE A					COUNTRY USE CODE B				
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	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	ANTENNA 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
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	WAN01RSP WAN02RSP WAN07RSP WAN08RSP	WAN03RSP WAN09RSP WAN10RSP	WAN01RSP WAN02RSP WAN07RSP WAN08RSP	WAN01RSP WAN02RSP WAN04RSP WAN07RSP WAN08RSP	WAN01RSP WAN02RSP WAN03RSP WAN07RSP WAN08RSP WAN09RSP WAN10RSP WAN11RSP

ACCESSORIES AND REPLACEMENT COMPONENTS CHART

ACCESSORY CATALOG LISTING	SEE HONEYWELL DRAWING	DESCRIPTION
WAN02RSP	WAN02RSP	REPLACEMENT ANTENNA FOR ANTENNA TYPE CODE 02
WAN07RSP	WAN07RSP	REPLACEMENT ANTENNA FOR ANTENNA TYPE CODE 11

WLS PRODUCT SPECIFICATION CHART

WIRELESS STANDARD	WPAN IEEE 802.15.4; 2.4GHz DIRECT SEQUENCE SPREAD SPECTRUM (DSSS), 2.4GHz
SIGNAL RANGE	IN EXCESS OF 305 m [1000 ft] LINE-OF-SIGHT COMMUNICATION BETWEEN LIMITLESS™ SWITCHES AND MONITOR/RECEIVER WHEN USING 2.2dBi INTEGRAL ANTENNA
DATA RATE	250 kbps
OPERATING FREQUENCY	ISSM 2.4GHz
RF MODULE TRANSMIT POWER MAX	COUNTRY CODE "A": 22dBm COUNTRY CODE "B": 8 dBm
RECEIVE SENSITIVITY (TYP)	-100dBm
HOUSING MATERIAL/TYPE	POWDER COATED ZINC DIE CAST/EN 50041
BATTERY	3.6 Vdc LITHIUM THIONYL CHLORIDE; 2/3 AA size; MANUFACTURED BY UNIWELL, p/n DEV-10-0009; or GREEN ENERGY p/n ERI4335M
SEALING	IP67, NEMA 1, 4, 12 ,13
EMC	LATEST APPLICABLE STANDARDS: EN 300 328, VI.7.1; EN 61326-1 (2006); EN 301 489-1, VI.8.1; EN 301 489-17, V2.1.1
SHOCK	IEC 60068-2-27; HALF SINE, 50 g, 6 mS, 3 AXIS ("SPECIALS" RS1 AND RS2: 10g)
VIBRATION	IEC 60068-2-6; 10 Hz to 58 Hz w/ 0.35 mm PEAK-TO-PEAK, 58 Hz to 500 Hz, 10 g ("SPECIALS" RS1 AND RS2: 5g)
OPERATING TEMPERATURE	-40°C to 85°C / -40°F TO 185°F
WEIGHT	520g/18.4 oz APPROX. WITHOUT ANTENNA

NOTES

1 - END USER WILL REQUIRE A HONEYWELL WPM SERIES MONITOR OR WDRR SERIES RECEIVER UNIT TO RECEIVE SIGNAL FROM THESE WLS PRODUCTS

FOR ADDITIONAL ANTENNA DETAILS SEE INDIVIDUAL HONEYWELL DRAWINGS LISTED IN THE ACCESSORIES AND REPLACEMENT COMPONENT CHART

PRODUCT WILL REQUIRE AN ANTENNA TO FUNCTION PROPERLY

SUPPLIED WITH M12 MICRO CONNECTOR, 3-POLE, MOLEX PART NO. 1200700056

USER SUPPLIED CABLE WITH Ø2.5mm TO 8mm (0.10 in TO 0.32 in); 3m (9.84 ft)

MAXIMUM CABLE LENGTH AS REQUIRED TO MEET EMC REQUIREMENTS

CONNECT TO SPDT (FORM C) GOLD CONTACT SWITCH CAPABLE OF RELIABLY CONTROLLING A 3.6 VDC AT 30 mA ELECTRICAL LOAD TO ENSURE PROPER OPERATION

OPTIONAL ACCESSORIES AND REPLACEMENT COMPONENTS PER THE ATTACHED CHART ARE OFFERED FOR SALE BY HONEYWELL

HEAD SCREWS TO BE TIGHTENED TO 0.90 TO 1.12 N-m (8 TO 10 lb-in) TORQUE

9 - RoHS AND REACH COMPLIANT

OPERATING CHARACTERISTICS WITH SUPPLIED HONEYWELL MAGNET PART NO. 106MG10 ("SPECIALS" RS1 AND RS2 ONLY)

OPERATING POINT (MIN)*	0.150
RELEASE POINT (MAX)*	0.600

\*GAP DISTANCE IS FROM TARGET SURFACE

DESIGN UNITS: INCH  
TOLERANCES UNLESS NOTED:

NO PLACES	x	±	.400
ONE PLACE	.x	±	.03
TWO PLACE	.xx	±	.015
THREE PLACE	.xxx	±	.005
ANGLES	x	±	3°

THIRD ANGLE PROJECTION

THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE PERMISSION OF HONEYWELL.

INTERPRET PER ASME Y14.100-2004 OTHER HONEYWELL ENGINEERING STANDARDS MAY APPLY

Pro/ENGINEER 3D

SCALE 3:2

DESIGNED

DRAWN

CHECK

TRF

31JUL12

31JUL12

SIZE

TYPE

CAGE CODE

DRAWING NAME

REV

D

I

-

WLS SERIES CHART 3

D

SHEET

1 OF 2

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