

WLS

GEN CODE		RF CODE		ANTENNA TYPE CODE ²		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 ³	A	US, CANADA, MEXICO	Q	SEE SPECIALS	NONE	HEAD ASSEMBLED WITH CABLE GRIP/CONNECTOR/TARGET TO LABEL SIDE	BT1	⁴ ⁶ 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			3	HEAD ASSEMBLED WITH CABLE GRIP/CONNECTOR/TARGET TO RIGHT SIDE	BT2	⁴ ⁶ INTERNAL BATTERY WITH M12 MICRO CONNECTOR ON SIDE OF HEAD FOR EXTERNAL SWITCH CONNECTION
				11	0dBi OMNI WITH SWITCH MOUNT STRAIGHT DESIGN					4	HEAD ASSEMBLED WITH CABLE GRIP/CONNECTOR/TARGET TO LEFT SIDE	BT3	⁵ ⁶ INTERNAL BATTERY WITH CABLE GRIP ON TOP OF HEAD FOR EXTERNAL SWITCH CONNECTION
										5	HEAD ASSEMBLED WITH CABLE GRIP/CONNECTOR/TARGET TO MTG SURFACE	BT4	⁵ ⁶ 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 WAN04RSP WAN07RSP WAN08RSP	WAN01RSP WAN02RSP WAN04RSP WAN07RSP WAN08RSP	WAN01RSP WAN02RSP WAN03RSP WAN04RSP WAN07RSP WAN08RSP WAN09RSP WAN10RSP WAN11RSP

ACCESSORIES AND REPLACEMENT COMPONENTS CHART ⁷		
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

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

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

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

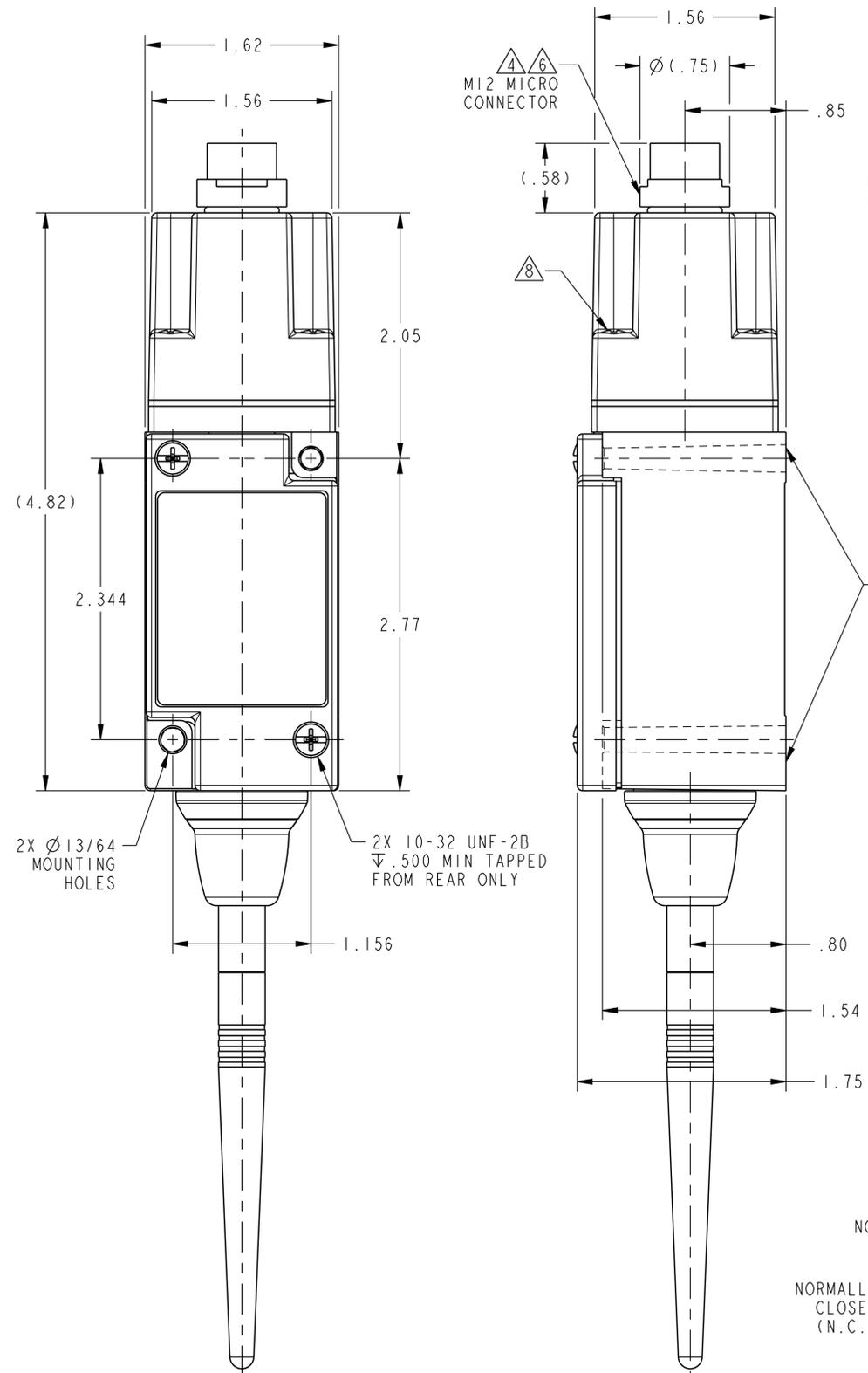
OPERATING POINT (MIN)*	0.150
RELEASE POINT (MAX)*	0.600

*GAP DISTANCE IS FROM TARGET SURFACE

NOTES

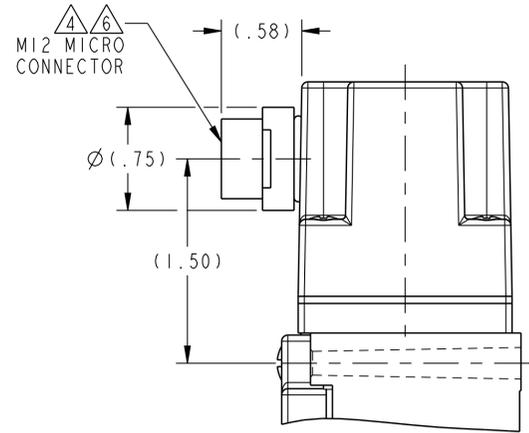
- END USER WILL REQUIRE A HONEYWELL WPMM SERIES MONITOR OR WDRR SERIES RECEIVER UNIT TO RECEIVE SIGNAL FROM THESE WLS PRODUCTS
- FOR ADDITIONAL ANTENNA DETAILS SEE INDIVIDUAL HONEYWELL DRAWINGS LISTED IN THE ACCESSORIES AND REPLACEMENT COMPONENT CHART
- PRODUCT WILL REQUIRE AN ANTENNA TO FUNCTION PROPERLY
- 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
- RoHS AND REACH COMPLIANT

DESIGN UNITS: INCH	DRAWN	TRF	31 JUL 12	Honeywell
TOLERANCES UNLESS NOTED:	CHECK	NV	31 JUL 12	
NO PLACES .x ± .400	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.			TITLE
ONE PLACE .x ± .03				WIRELESS SINGLE SWITCH ADAPTER
TWO PLACE .xx ± .015				SIZE TYPE CAGE CODE DRAWING NAME
THREE PLACE .xxx ± .005				D 1 - WLS SERIES CHART 3 D
ANGLES x ± 3°	THIRD ANGLE PROJECTION			REV
	Pro/ENGINEER 3D SCALE 3:2			SHEET 1 OF 2

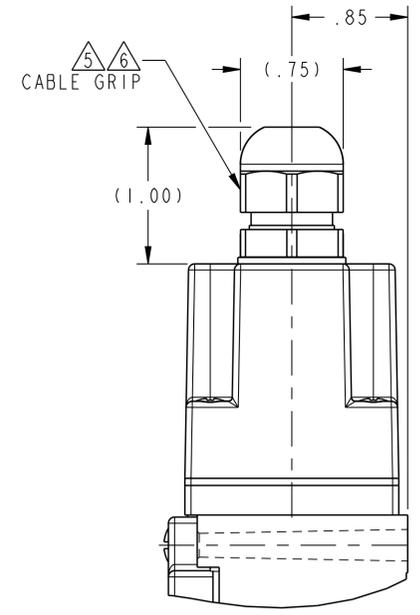


BT1

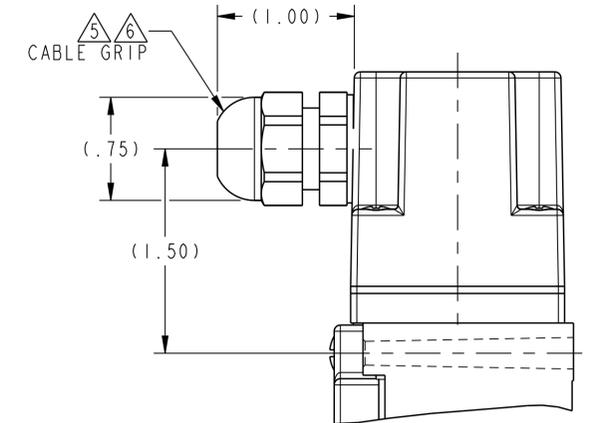
SPECIALS



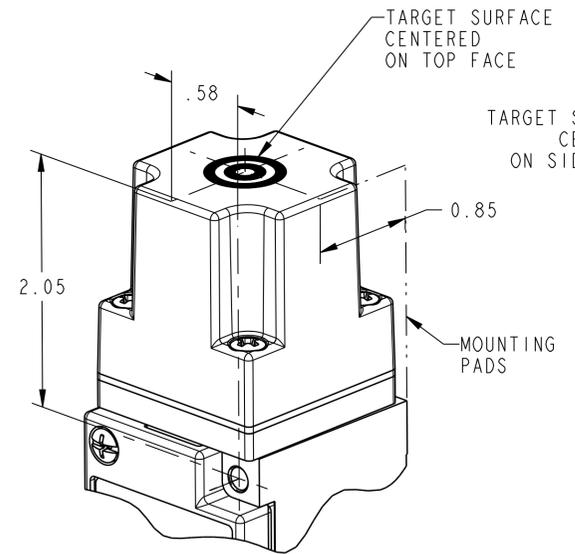
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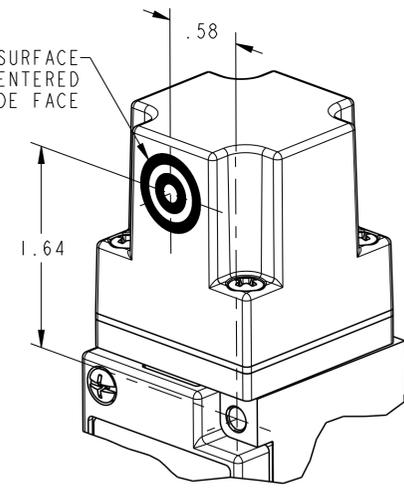
BT3



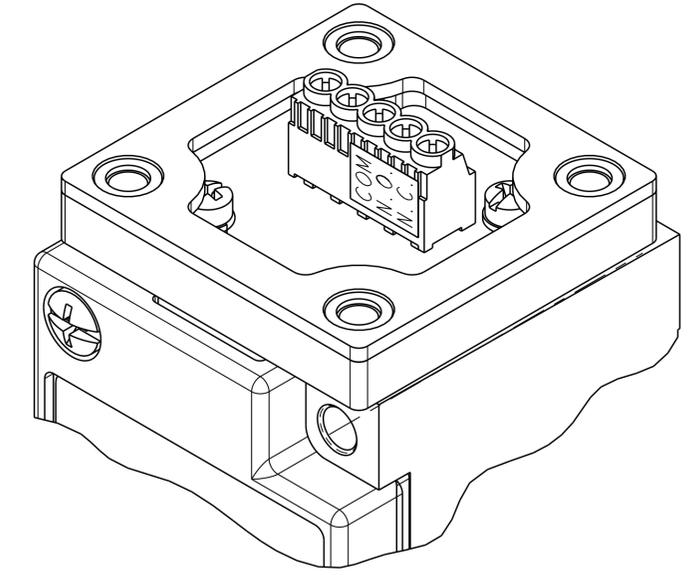
BT4



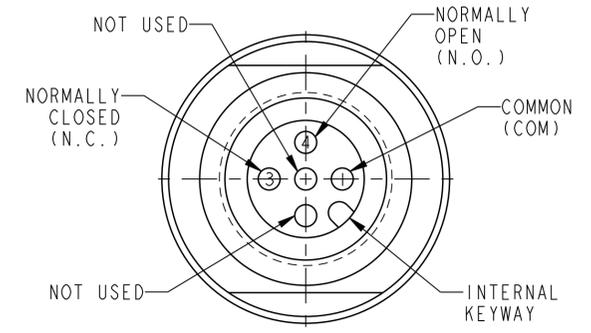
RS1



RS2



CABLE GRIP PIN OUT (BT3 AND BT4)
 (VIEW SHOWN WITH HEAD REMOVED)
 SCALE 3:1



MICRO CONNECTOR PIN OUT (BT1 AND BT2)
 SCALE 4:1

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SIZE	TYPE	CAGE CODE	DRAWING NAME		REV				
D	I	-	WLS SERIES CHART 3		D				
SCALE 3:2					SHEET 2 OF 2				