OleumTech

WIRELESS RTD TEMPERATURE TRANSMITTERS





Self-Contained Wireless Temperature Monitoring Solution

Supports 2, 3, or 4-Wire RTD Sensor

The OleumTech[®] OTC Wireless RTD Temperature Transmitters are ideal for monitoring air, gas, water, or liquid temperatures. The WT-RT1 direct mount version is available with a 4-wire Platinum 100 ohm Class A RTD sensor with a high accuracy of ±0.15 °C / ±0.06% @ 0 °C. You can choose from 2 to 18-inch RTD length. It supports temperatures ranging from -55 °C to 260 °C. The WT-RT2 multivendor version provides a junction box and wiring terminal board for accepting a third party 2, 3, or 4-wire RTD sensor. The temperature output can be reported in Fahrenheit, Celsius, or both. These ultra-low-powered transmitters are powered by replaceable battery packs that provide up to a 10-year life.¹ The push button LCD interface allows for device configuration and instant access to process data.

Reliable, Scalable, and Safe

The field-proven wireless transmitters communicate with an assigned wireless gateway within the OTC Wireless Sensor and I/O Network creating a highly scalable network, accommodating virtually any I/O requirement.

The OleumTech wireless transmitters are certified for use in Class I, Division 1 (Zone 0) hazardous locations. They are Intrinsically Safe, designed not to cause a spark, and can be serviced without being removed from a process.

OleumTech®

Technical Specifications

HARDWARE FEATURES	
Device Functionality	Temperature Sensing Wireless Transmitter Using an RTD Sensor
Embedded Controller	· Ultra-Low Power RISC Microcontroller with Internal FLASH (Field Upgradeable)
Configuration	· Standard RS232 Serial / BreeZ [®] Software for PC
ADC Resolution	· 24-bit High-Resolution Delta-Sigma ADC
Power Source	· Self-Contained, Internal 3.6 Vdc Lithium Battery
Internal Battery Life	\cdot Up to 10 Years, Based on User Defined Reporting Intervals 1
Local LCD Display	· 32-Character Display (16x2 Lines) with 4 Function Keys + Read Button
Instant Displayable Read	Temperature / Battery Voltage / RF Status
Local Configuration	Integral LCD with Push Button Interface
Device Diagnostics	· Health Tags: Battery Voltage, Received Signal Strength Indication (RSSI), RF Refresh, RF Timeout, Error Codes
RTD TEMPERATURE SE	NSOR
RTD Element	· Platinum 100 Ohm, Class A (RT1)
Temperature Coefficient	• 0.00385 (RT1)
Probe Lengths	•WT-RT1: 2" to 18" / 30.5 to 45.5 cm in 1" / 25 mm Increments
Temperature Range	• WT-RT1: -67 °F to 500 °F (-55 °C to 260 °C); WT-RT2: Temperature Range Depends on Sensor
Accuracy	•WT-RT1: ±0.15 °C / ±0.06% @ 0 °C; WT-RT2: Accuracy Depends on Sensor
Materials	• Probe Cover - Silver Coated Copper / Probe Insulation - PTFE
WIRELESS COMMUNICA	
Radio Band	· ISM Band (License-Free)
900 MHz / 915 MHz	• FHSS, FSK, AES Encryption 256-bit (900 MHz), 128-bit (915 MHz)
2.4 GHz	DSSS, AES Encryption 128-bit
868 MHz	· LBT-AFA, AES Encryption 128-bit
Bit Rate	· 900/915 MHz: 9600 bps / 115.2 kbps; 2.4 GHz: 250 kbps; 868 MHz: 80 kpbs
Output Power (Max)	· 900/915 MHz: 10 mW; 2.4 GHz: 63 mW; 868 MHz: 25mW
Receiving Sensitivity	· 900/915 MHz: -110 dBm @ 9600 bps, -100 dBm @ 115.2 kbps
Receiving Sensitivity	2.4 Cliev 101 dBms @ 250 librasy 060 Milley 106 dBms @ 00 libras
Receiving Sensitivity	· 2.4 GHz: -101 dBm @ 250 kbps; 868 MHz: -106 dBm @ 80 kbps
Receiving Sensitivity	• 2.4 GPZ - 101 GBM @ 250 KDPS; 668 MHZ - 106 GBM @ 80 KDPS • 900/915 MHz: Up to 7500 Feet / 1.4 Miles (2.3 km) with Clear Line of Sight ²
Receiving Sensitivity RF Range	
	\cdot 900/915 MHz: Up to 7500 Feet / 1.4 Miles (2.3 km) with Clear Line of Sight ²
	 • 900/915 MHz: Up to 7500 Feet / 1.4 Miles (2.3 km) with Clear Line of Sight² • 2.4 GHz: Up to 4.3 Miles (7 km) with Clear Line of Sight² • 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight²
RF Range CERTIFICATIONS & CON	 • 900/915 MHz: Up to 7500 Feet / 1.4 Miles (2.3 km) with Clear Line of Sight² • 2.4 GHz: Up to 4.3 Miles (7 km) with Clear Line of Sight² • 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight²
RF Range	 •900/915 MHz: Up to 7500 Feet / 1.4 Miles (2.3 km) with Clear Line of Sight² • 2.4 GHz: Up to 4.3 Miles (7 km) with Clear Line of Sight² • 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² APLIANCE
RF Range CERTIFICATIONS & CON	• 900/915 MHz: Up to 7500 Feet / 1.4 Miles (2.3 km) with Clear Line of Sight ² • 2.4 GHz: Up to 4.3 Miles (7 km) with Clear Line of Sight ² • 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight ² APLIANCE • FCC Part 15 (USA), IC ICES-003 (Canada), ACMA (Australia)
RF Range CERTIFICATIONS & CON EMC/EMI FC &	 •900/915 MHz: Up to 7500 Feet / 1.4 Miles (2.3 km) with Clear Line of Sight² • 2.4 GHz: Up to 4.3 Miles (7 km) with Clear Line of Sight² • 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² • PCC Part 15 (USA), IC ICES-003 (Canada), ACMA (Australia) • AS/NZS CISPR 32 (Australia), EN55032 & EN55024 (EU)
RF Range CERTIFICATIONS & CON EMC/EMI FC &	 900/915 MHz: Up to 7500 Feet / 1.4 Miles (2.3 km) with Clear Line of Sight² 2.4 GHz: Up to 4.3 Miles (7 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² MPLIANCE FCC Part 15 (USA), IC ICES-003 (Canada), ACMA (Australia) AS/NZS CISPR 32 (Australia), EN55032 & EN55024 (EU) Class I, Division 1, Groups A, B, C, D T3C; Ex ia IIC T3
RF Range CERTIFICATIONS & CON EMC/EMI FC &	 900/915 MHz: Up to 7500 Feet / 1.4 Miles (2.3 km) with Clear Line of Sight² 2.4 GHz: Up to 4.3 Miles (7 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHZ: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHZ: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHZ: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHZ: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHZ: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHZ: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHZ: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHZ: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHZ: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHZ: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² FCC Part 15 (USA), IC ICES-003 (Canada), ACMA (Australia) AS/NZS CISPR 32 (Australia), EN55032 & EN55024 (EU) Class I, Division 1, Groups A, B, C, D T3C; Ex ia IIC T3 Class I, Zone 0; AEx ia IIC T3
RF Range CERTIFICATIONS & CON EMC/EMI FC &	 900/915 MHz: Up to 7500 Feet / 1.4 Miles (2.3 km) with Clear Line of Sight² 2.4 GHz: Up to 4.3 Miles (7 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² PCL Part 15 (USA), IC ICES-003 (Canada), ACMA (Australia) FCC Part 15 (USA), IC ICES-003 (Canada), ACMA (Australia) AS/NZS CISPR 32 (Australia), EN55032 & EN55024 (EU) Class I, Division 1, Groups A, B, C, D T3C; Ex ia IIC T3 Class I, Zone 0; AEx ia IIC T3 ATEX: Sira 13ATEX2142X; Ex ia IIC T3 Ga
RF Range CERTIFICATIONS & CON EMC/EMI FC & Safety C C & & III III	 900/915 MHz: Up to 7500 Feet / 1.4 Miles (2.3 km) with Clear Line of Sight² 2.4 GHz: Up to 4.3 Miles (7 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² PCL Part 15 (USA), IC ICES-003 (Canada), ACMA (Australia) FCC Part 15 (USA), IC ICES-003 (Canada), ACMA (Australia) AS/NZS CISPR 32 (Australia), EN55032 & EN55024 (EU) Class I, Division 1, Groups A, B, C, D T3C; Ex ia IIC T3 Class I, Zone 0; AEx ia IIC T3 ATEX: Sira 13ATEX2142X; Ex ia IIC T3 Ga
RF Range CERTIFICATIONS & COM EMC/EMI FC & Safety C C Ministry MECHANICAL SPECIFIC	 900/915 MHz: Up to 7500 Feet / 1.4 Miles (2.3 km) with Clear Line of Sight² 2.4 GHz: Up to 4.3 Miles (7 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 Mz (150 Miles (150 Mil
RF Range CERTIFICATIONS & CON EMC/EMI FC & Safety C C & D & C & MECHANICAL SPECIFIC Dimensions, WT-RT1	 900/915 MHz: Up to 7500 Feet / 1.4 Miles (2.3 km) with Clear Line of Sight² 2.4 GHz: Up to 4.3 Miles (7 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² PCL Part 15 (USA), IC ICES-003 (Canada), ACMA (Australia) AS/NZS CISPR 32 (Australia), EN55032 & EN55024 (EU) Class I, Division 1, Groups A, B, C, D T3C; Ex ia IIC T3 Class I, Zone 0; AEx ia IIC T3 ATEX: Sira 13ATEX2142X; Ex ia IIC T3 Ga; II 1 G IECEx: SIR 13.0054X; Ex ia IIC T3 Ga ATIONS -5.5" (W) x 7.6" (H) x 4.4" (D) / 140 mm (W) x 193 mm (H) x 112 mm (D) - Excludes RTD Length
RF Range CERTIFICATIONS & CON EMC/EMI FC & Safety C C & D MECHANICAL SPECIFIC Dimensions, WT-RT1 Dimensions, WT-RT2	 900/915 MHz: Up to 7500 Feet / 1.4 Miles (2.3 km) with Clear Line of Sight² 2.4 GHz: Up to 4.3 Miles (7 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 Mz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 Mz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 Mz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 Mz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 Mz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 Mz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 Mz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 Mz: Up to 5.4 miles (9.1 Miles (9.1 Mi
RF Range CERTIFICATIONS & CON EMC/EMI FC & & & & & & & & & & & & & & & & & &	 900/915 MHz: Up to 7500 Feet / 1.4 Miles (2.3 km) with Clear Line of Sight² 2.4 GHz: Up to 4.3 Miles (7 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 Mz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 Mz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 Mz: Up to 5.2 Miles (8.4 km) With Clear Line of Sight² 868 Mz: Up to 5.2 Miles (8.4 km) With Clear Line of Sight² 868 Mz: Up to 5.2 Miles (9.4 km) With Clear Line of Sight² 868 Mz: Up to 5.2 Miles (9.4 kg) 868 Mz: Up to 5.2 Miles (9.4 kg)
RF Range CERTIFICATIONS & CON EMC/EMI FC & & & & & & & & & & & & & & & & & &	 900/915 MHz: Up to 7500 Feet / 1.4 Miles (2.3 km) with Clear Line of Sight² 2.4 GHz: Up to 4.3 Miles (7 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (10 J a m (W) x 193 mm (H) x 112 mm (D) - Excludes RTD Length 9.25" (W) x 14" (H) x 6.4" (D) / 140 mm (W) x 356 mm (H) x 165 mm (D) 8.25 lbs / 2.4 kg 8.7 lbs / 3.2 kg
RF Range CERTIFICATIONS & CON EMC/EMI FC & & & & & & & & & & & & & & & & & &	 900/915 MHz: Up to 7500 Feet / 1.4 Miles (2.3 km) with Clear Line of Sight² 2.4 GHz: Up to 4.3 Miles (7 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 7PLIANCE FCC Part 15 (USA), IC ICES-003 (Canada), ACMA (Australia) AS/NZS CISPR 32 (Australia), EN55032 & EN55024 (EU) Class I, Division 1, Groups A, B, C, D T3C; Ex ia IIC T3 Class I, Joinsion 1, Groups A, B, C, D T3C; Ex ia IIC T3 Class I, Zone 0; AEx ia IIC T3 ATEX: Sira 13ATEX2142X; Ex ia IIC T3 Ga; II 1 G IECEX: SIR 13.0054X; Ex ia IIC T3 Ga ATIONS 5.5" (W) x 7.6" (H) x 4.4" (D) / 140 mm (W) x 193 mm (H) x 112 mm (D) - Excludes RTD Length 10.25" (W) x 14" (H) x 6.5" (D) / 260mm (W) x 356mm (H) x 165mm (D) ~5.25 Ibs / 2.4 kg ~7 Ibs / 3.2 kg WT-RT1: 1/2" NPT Male; WT-RT2: 3/4" NPT Female
RF Range CERTIFICATIONS & CON EMC/EMI C C C Safety C C C C C Safety C C C C C MECHANICAL SPECIFIC Dimensions, WT-RT1 Dimensions, WT-RT2 Package Weight, WT-RT1 Package Weight, WT-RT2 Connection Fitting Enclosure Casing Material	 900/915 MHz: Up to 7500 Feet / 1.4 Miles (2.3 km) with Clear Line of Sight² 2.4 GHz: Up to 4.3 Miles (7 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 7PLIANCE FCC Part 15 (USA), IC ICES-003 (Canada), ACMA (Australia) AS/NZS CISPR 32 (Australia), EN55032 & EN55024 (EU) Class I, Division 1, Groups A, B, C, D T3C; Ex ia IIC T3 Class I, Jone 0; AEx ia IIC T3 ATEX: Sira 13ATEX2142X; Ex ia IIC T3 Ga; II 1 G IECEX: SIR 13.0054X; Ex ia IIC T3 Ga ATIONS 5.5" (W) x 7.6" (H) x 4.4" (D) / 140 mm (W) x 193 mm (H) x 112 mm (D) - Excludes RTD Length 10.25" (W) x 14" (H) x 6.5" (D) / 260mm (W) x 356mm (H) x 165mm (D) ~5.25 Ibs / 2.4 kg ~7 Ibs / 3.2 kg WT-RT1: 1/2" NPT Male; WT-RT2: 3/4" NPT Female Type 4X Aluminum; IP66
RF Range CERTIFICATIONS & CON EMC/EMI FC & & & & & & & & & & & & & & & & & &	 900/915 MHz: Up to 7500 Feet / 1.4 Miles (2.3 km) with Clear Line of Sight² 2.4 GHz: Up to 4.3 Miles (7 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 7PLIANCE FCC Part 15 (USA), IC ICES-003 (Canada), ACMA (Australia) AS/NZS CISPR 32 (Australia), EN55032 & EN55024 (EU) Class I, Division 1, Groups A, B, C, D T3C; Ex ia IIC T3 Class I, Zone 0; AEx ia IIC T3 ATEX: Sira 13ATEX2142X; Ex ia IIC T3 Ga; II 1 G IECEX: SIR 13.0054X; Ex ia IIC T3 Ga ATTONS 5.5" (W) x 7.6" (H) x 4.4" (D) / 140 mm (W) x 193 mm (H) x 112 mm (D) - Excludes RTD Length 5.25" (W) x 1.2.3" (H) x 6.4" (D) / 140 mm (W) x 313 mm (H) x 163 mm (D) - Excludes RTD Length .5.25 Ibs / 2.4 kg ~7 Ibs / 3.2 kg WT-RT1: 1/2" NPT Male; WT-RT2: 3/4" NPT Female Type 4X Aluminum; IP66
RF Range CERTIFICATIONS & CON EMC/EMI C C C Safety C C C C C Safety C C C C C MECHANICAL SPECIFIC Dimensions, WT-RT1 Dimensions, WT-RT2 Package Weight, WT-RT1 Package Weight, WT-RT2 Connection Fitting Enclosure Casing Material	 900/915 MHz: Up to 7500 Feet / 1.4 Miles (2.3 km) with Clear Line of Sight² 2.4 GHz: Up to 4.3 Miles (7 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 7PLIANCE FCC Part 15 (USA), IC ICES-003 (Canada), ACMA (Australia) AS/NZS CISPR 32 (Australia), EN55032 & EN55024 (EU) Class I, Division 1, Groups A, B, C, D T3C; Ex ia IIC T3 class I, Jone 0; AEx ia IIC T3 class I, Zone 0; AEx ia IIC T3 Ga; II 1 G IECEX: SIR 13.0054X; Ex ia IIC T3 Ga ATTONS 5.5" (W) x 7.6" (H) x 4.4" (D) / 140 mm (W) x 193 mm (H) x 112 mm (D) - Excludes RTD Length 5.5" (W) x 12.3" (H) x 6.4" (D) / 140 mm (W) x 313 mm (H) x 163 mm (D) - Excludes RTD Length .5.25 Ibs / 2.4 kg ~7 Ibs / 3.2 kg WT-RT1: 1/2" NPT Male; WT-RT2: 3/4" NPT Female Type 4X Aluminum; IP66 XNS Ambient Temperature (Class I, Division 1 / Zone 0): -40 °C to 70 °C (-40 °F to 158 °F)
RF Range CERTIFICATIONS & CON EMC/EMI C C C Safety C C C C C Safety C C C C C MECHANICAL SPECIFIC Dimensions, WT-RT1 Dimensions, WT-RT2 Package Weight, WT-RT1 Package Weight, WT-RT2 Connection Fitting Enclosure Casing Material GENERAL SPECIFICATION	 900/915 MHz: Up to 7500 Feet / 1.4 Miles (2.3 km) with Clear Line of Sight² 2.4 GHz: Up to 4.3 Miles (7 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 7PLIANCE FCC Part 15 (USA), IC ICES-003 (Canada), ACMA (Australia) AS/NZS CISPR 32 (Australia), EN55032 & EN55024 (EU) Class I, Division 1, Groups A, B, C, D T3C; Ex ia IIC T3 class I, Zone 0; AEx ia IIC T3 class I, Zone 0; AEx ia IIC T3 extra 13ATEX2142X; Ex ia IIC T3 Ga; II 1 G IECEx: SIR 13.0054X; Ex ia IIC T3 Ga ATTONS 5.5" (W) x 7.6" (H) x 4.4" (D) / 140 mm (W) x 193 mm (H) x 112 mm (D) - Excludes RTD Length 5.5" (W) x 12.3" (H) x 6.4" (D) / 140 mm (W) x 313 mm (H) x 163 mm (D) - Excludes RTD Length .5.25" (W) x 14" (H) x 6.5" (D) / 260mm (W) x 356mm (H) x 165mm (D) ~5.25 I bs / 2.4 kg ~7 I bs / 3.2 kg WT-RT1: 1/2" NPT Male; WT-RT2: 3/4" NPT Female Type 4X Aluminum; IP66 NS Ambient Temperature (Class I, Division 1 / Zone 0): -40 °C to 70 °C (-40 °F to 158 °F) LCD Screen -20 °C to 70 °C (-4 °F to 158 °F)
RF Range CERTIFICATIONS & CON EMC/EMI FC & & & & & & & & & & & & & & & & & &	 900/915 MHz: Up to 7500 Feet / 1.4 Miles (2.3 km) with Clear Line of Sight² 2.4 GHz: Up to 4.3 Miles (7 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 7PLIANCE FCC Part 15 (USA), IC ICES-003 (Canada), ACMA (Australia) AS/NZS CISPR 32 (Australia), EN55032 & EN55024 (EU) Class I, Division 1, Groups A, B, C, D T3C; Ex ia IIC T3 class I, Zone 0; AEx ia IIC T3 ATEX: Sira 13ATEX2142X; Ex ia IIC T3 Ga; II 1 G IECEx: SIR 13.0054X; Ex ia IIC T3 Ga ATTONS 5.5" (W) x 7.6" (H) x 4.4" (D) / 140 mm (W) x 193 mm (H) x 112 mm (D) - Excludes RTD Length 5.5" (W) x 12.3" (H) x 6.4" (D) / 140 mm (W) x 313 mm (H) x 163 mm (D) - Excludes RTD Length .5.25 lbs / 2.4 kg ~7 lbs / 3.2 kg WT-RT1: 1/2" NPT Male; WT-RT2: 3/4" NPT Female Type 4X Aluminum; IP66 XNS Ambient Temperature (Class I, Division 1 / Zone 0): -40 °C to 70 °C (-40 °F to 158 °F) LCD Screen -20 °C to 70 °C (-4 °F to 158 °F) ArD or Con 20 °C to 70 °C (-4 °F to 158 °F)
RF Range CERTIFICATIONS & CON EMC/EMI C C C Safety C C C C C Safety C C C C C MECHANICAL SPECIFIC Dimensions, WT-RT1 Dimensions, WT-RT2 Package Weight, WT-RT1 Package Weight, WT-RT2 Connection Fitting Enclosure Casing Material GENERAL SPECIFICATIO	 900/915 MHz: Up to 7500 Feet / 1.4 Miles (2.3 km) with Clear Line of Sight² 2.4 GHz: Up to 4.3 Miles (7 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² 7PLIANCE FCC Part 15 (USA), IC ICES-003 (Canada), ACMA (Australia) AS/NZS CISPR 32 (Australia), EN55032 & EN55024 (EU) Class I, Division 1, Groups A, B, C, D T3C; Ex ia IIC T3 class I, Zone 0; AEx ia IIC T3 ATEX: Sira 13ATEX2142X; Ex ia IIC T3 Ga; II 1 G IECEx: SIR 13.0054X; Ex ia IIC T3 Ga ATTONS 5.5" (W) x 7.6" (H) x 4.4" (D) / 140 mm (W) x 193 mm (H) x 112 mm (D) - Excludes RTD Length 5.5" (W) x 7.6" (H) x 6.4" (D) / 140 mm (W) x 313 mm (H) x 163 mm (D) - Excludes RTD Length .5.25" (W) x 14" (H) x 6.5" (D) / 260mm (W) x 356mm (H) x 165mm (D) ~5.25 Ibs / 2.4 kg ~7 Ibs / 3.2 kg WT-RT1: 1/2" NPT Male; WT-RT2: 3/4" NPT Female .Type 4X Aluminum; IP66 NS Ambient Temperature (Class I, Division 1 / Zone 0): -40 °C to 70 °C (-40 °F to 158 °F) .LCD Screen -20 °C to 70 °C (-4 °F to 158 °F) .LCD Screen -20 °C to 70 °C (-4 °F to 158 °F) .LCD Screen -20 °C to 70 °C (-4 °F to 158 °F)
RF Range CERTIFICATIONS & CON EMC/EMI CON Safety C C C CON Safety C C C CON MECHANICAL SPECIFIC Dimensions, WT-RT1 Dimensions, WT-RT2 Package Weight, WT-RT1 Package Weight, WT-RT2 Connection Fitting Enclosure Casing Material GENERAL SPECIFICATION	 900/915 MHz: Up to 7500 Feet / 1.4 Miles (2.3 km) with Clear Line of Sight² 2.4 GHz: Up to 4.3 Miles (7 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² APLIANCE FCC Part 15 (USA), IC ICES-003 (Canada), ACMA (Australia) AS/NZS CISPR 32 (Australia), EN55032 & EN55024 (EU) Class I, Division 1, Groups A, B, C, D T3C; Ex ia IIC T3 Class I, Zone 0; AEx ia IIC T3 ATEX: Sira 13ATEX2142X; Ex ia IIC T3 Ga; II 1 G IECEx: SIR 13.0054X; Ex ia IIC T3 Ga ATIONS 5.5" (W) x 7.6" (H) x 4.4" (D) / 140 mm (W) x 193 mm (H) x 112 mm (D) - Excludes RTD Length 5.5" (W) x 12.3" (H) x 6.4" (D) / 140 mm (W) x 313 mm (H) x 163 mm (D) - Excludes RTD Length 10.25" (W) x 14" (H) x 6.5" (D) / 260mm (W) x 356mm (H) x 165mm (D) ~5.25 Ibs / 2.4 kg ~7 Ibs / 3.2 kg WT-RT1: 1/2" NPT Male; WT-RT2: 3/4" NPT Female Type 4X Aluminum; IP66 NS Ambient Temperature (Class I, Division 1 / Zone 0): -40 °C to 70 °C (-40 °F to 158 °F) LCD Screen -20 °C to 70 °C (-4 °F to 158 °F) Ambient Temperature (Non-Hazardous Applications): -40 °C to 80 °C (-40 °F to 176 °F) LCD Screen -20 °C to 70 °C (-4 °F to 158 °F) Humidity: 0 to 99 %, Non-Condensing
RF Range CERTIFICATIONS & CON EMC/EMI C C C Safety C C C C C C Safety C C C C C C C C C C C C C C C MECHANICAL SPECIFIC Dimensions, WT-RT1 Dimensions, WT-RT1 Dimensions, WT-RT2 Package Weight, WT-RT1 Package Weight, WT-RT2 Connection Fitting Enclosure Casing Material GENERAL SPECIFICATION Operating Conditions	 900/915 MHz: Up to 7500 Feet / 1.4 Miles (2.3 km) with Clear Line of Sight² 2.4 GHz: Up to 4.3 Miles (7 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² APLIANCE FCC Part 15 (USA), IC ICES-003 (Canada), ACMA (Australia) AS/NZS CISPR 32 (Australia), EN55032 & EN55024 (EU) Class I, Division 1, Groups A, B, C, D T3C; Ex ia IIC T3 Class I, Zone 0; AEx ia IIC T3 ATEX: Sira 13ATEX2142X; Ex ia IIC T3 Ga; II 1 G IECEx: SIR 13.0054X; Ex ia IIC T3 Ga ATIONS 5.5" (W) x 7.6" (H) x 4.4" (D) / 140 mm (W) x 193 mm (H) x 112 mm (D) - Excludes RTD Length 5.5" (W) x 12.3" (H) x 6.4" (D) / 140 mm (W) x 313 mm (H) x 163 mm (D) - Excludes RTD Length 10.25" (W) x 14" (H) x 6.5" (D) / 260mm (W) x 356mm (H) x 165mm (D) ~5.25 Ibs / 2.4 kg ~7 Ibs / 3.2 kg WT-RT1: 1/2" NPT Male; WT-RT2: 3/4" NPT Female Type 4X Aluminum; IP66 NS Ambient Temperature (Class I, Division 1 / Zone 0): -40 °C to 70 °C (-40 °F to 158 °F) LCD Screen -20 °C to 70 °C (-4 °F to 158 °F) Ambient Temperature (Non-Hazardous Applications): -40 °C to 80 °C (-40 °F to 176 °F) LCD Screen -20 °C to 70 °C (-4 °F to 158 °F) Ambient Temperature (Non-Hazardous Applications): -40 °C to 80 °C (-40 °F to 176 °F) LCD Screen -20 °C to 70 °C (-4 °F to 158 °F) Humidity: 0 to 99 %, Non-Condensing -2 Year Parts and Labor
RF Range CERTIFICATIONS & CON EMC/EMI C C C Safety C C C C C C Safety C C C C C C C MECHANICAL SPECIFIC Dimensions, WT-RT1 Dimensions, WT-RT1 Dimensions, WT-RT2 Package Weight, WT-RT1 Package Weight, WT-RT1 Package Weight, WT-RT1 Package Weight, WT-RT2 Connection Fitting Enclosure Casing Material GENERAL SPECIFICATION Operating Conditions	 900/915 MHz: Up to 7500 Feet / 1.4 Miles (2.3 km) with Clear Line of Sight² 2.4 GHz: Up to 4.3 Miles (7 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² APLIANCE FCC Part 15 (USA), IC ICES-003 (Canada), ACMA (Australia) AS/NZS CISPR 32 (Australia), EN55032 & EN55024 (EU) Class I, Division 1, Groups A, B, C, D T3C; Ex ia IIC T3 Class I, Zone 0; AEx ia IIC T3 ATEX: Sira 13ATEX2142X; Ex ia IIC T3 Ga; II 1 G IECEx: SIR 13.0054X; Ex ia IIC T3 Ga ATTONS 5.5" (W) x 7.6" (H) x 4.4" (D) / 140 mm (W) x 193 mm (H) x 112 mm (D) - Excludes RTD Length 5.5" (W) x 12.3" (H) x 6.4" (D) / 140 mm (W) x 313 mm (H) x 163 mm (D) - Excludes RTD Length 5.5" (W) x 12.3" (H) x 6.4" (D) / 140 mm (W) x 313 mm (H) x 163 mm (D) -x 5.25 lbs / 2.4 kg ~7 lbs / 3.2 kg WT-RT1 1/2" NPT Male; WT-RT2: 3/4" NPT Female Type 4X Aluminum; IP66 NS Ambient Temperature (Class I, Division 1 / Zone 0): -40 °C to 70 °C (-40 °F to 158 °F) LCD Screen -20 °C to 70 °C (-4 °F to 158 °F) Ambient Temperature (Non-Hazardous Applications): -40 °C to 80 °C (-40 °F to 176 °F) LCD Screen -20 °C to 70 °C (-4 °F to 158 °F) Ambient Temperature (Non-Hazardous Applications): -40 °C to 80 °C (-40 °F to 176 °F) LCD Screen -20 °C to 70 °C (-4 °F to 158 °F) Humidity: 0 to 99 %, Non-Condensing -2-Year Parts and Labor USA
RF Range CERTIFICATIONS & COM EMC/EMI FC & COM Safety C C (C) (C) (C) (C) (C) (C) (C) (C) (C)	 900/915 MHz: Up to 7500 Feet / 1.4 Miles (2.3 km) with Clear Line of Sight² 2.4 GHz: Up to 4.3 Miles (7 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² APLIANCE FCC Part 15 (USA), IC ICES-003 (Canada), ACMA (Australia) AS/NZS CISPR 32 (Australia), EN55032 & EN55024 (EU) Class I, Division 1, Groups A, B, C, D T3C; Ex ia IIC T3 Class I, Zone 0; AEx ia IIC T3 ATEX: Sira 13ATEX2142X; Ex ia IIC T3 Ga; II 1 G IECEx: SIR 13.0054X; Ex ia IIC T3 Ga ATIONS 5.5" (W) x 7.6" (H) x 4.4" (D) / 140 mm (W) x 193 mm (H) x 112 mm (D) - Excludes RTD Length 5.5" (W) x 7.6" (H) x 6.4" (D) / 140 mm (W) x 313 mm (H) x 163 mm (D) - Excludes RTD Length 5.5" (W) x 12.3" (H) x 6.4" (D) / 140 mm (W) x 313 mm (H) x 163 mm (D) -x 5.25 lbs / 2.4 kg ~7 lbs / 3.2 kg WT-RT1 1/2" NPT Male; WT-RT2: 3/4" NPT Female Type 4X Aluminum; IP66 NS Ambient Temperature (Class I, Division 1 / Zone 0): -40 °C to 70 °C (-40 °F to 158 °F) LCD Screen -20 °C to 70 °C (-4 °F to 158 °F) Ambient Temperature (Non-Hazardous Applications): -40 °C to 80 °C (-40 °F to 176 °F) LCD Screen -20 °C to 70 °C (-4 °F to 158 °F) Humidity: 0 to 99 %, Non-Condensing -2-Year Parts and Labor USA
RF Range CERTIFICATIONS & COM EMC/EMI FC & COM Safety C C & COM Safety C C & COM C C C & COM C & C & COM C & C & COM C & C & C & C & C & C & C & C & C & C &	 900/915 MHz: Up to 7500 Feet / 1.4 Miles (2.3 km) with Clear Line of Sight² 2.4 GHz: Up to 4.3 Miles (7 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² APLIANCE FCC Part 15 (USA), IC ICES-003 (Canada), ACMA (Australia) AS/NZS CISPR 32 (Australia), EN55032 & EN55024 (EU) Class I, Division 1, Groups A, B, C, D T3C; Ex ia IIC T3 Class I, Zone 0; AEx ia IIC T3 ATEX: Sira 13ATEX2142X; Ex ia IIC T3 Ga; II 1 G IECEx: SIR 13.0054X; Ex ia IIC T3 Ga; 5.5" (W) x 7.6" (H) x 4.4" (D) / 140 mm (W) x 193 mm (H) x 112 mm (D) - Excludes RTD Length 5.5" (W) x 7.6" (H) x 4.4" (D) / 140 mm (W) x 313 mm (H) x 163 mm (D) - Excludes RTD Length 5.5" (W) x 12.3" (H) x 6.4" (D) / 260mm (W) x 356mm (H) x 165mm (D) ~5.25 lbs / 2.4 kg ~7 lbs / 3.2 kg WT-RT1: 1/2" NPT Male; WT-RT2: 3/4" NPT Female Type 4X Aluminum; IP66 NS Ambient Temperature (Class I, Division 1 / Zone 0): -40 °C to 70 °C (-40 °F to 158 °F) LCD Screen -20 °C to 70 °C (-4 °F to 158 °F) ACD Screen -20 °C to 70 °C (-4 °F to 158 °F) LCD Screen -20 °C to 70 °C (-4 °F to 158 °F) LCD Screen -20 °C to 70 °C (-4 °F to 158 °F) LCD Screen -20 °C to 70 °C (-4 °F to 158 °F) Humidity: 0 to 99 %, Non-Condensing 2-Year Parts and Labor USA ON Direct Mount: WT-0900-RT1, WT-0915-RT1, WT-2400-RT1, WT-0868-RT1
RF Range CERTIFICATIONS & CON EMC/EMI FC Safety C C C MECHANICAL SPECIFIC Dimensions, WT-RT1 Dimensions, WT-RT2 Package Weight, WT-RT1 Package Weight, WT-RT1 Packa	 900/915 MHz: Up to 7500 Feet / 1.4 Miles (2.3 km) with Clear Line of Sight² 2.4 GHz: Up to 4.3 Miles (7 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² APLIANCE FCC Part 15 (USA), IC ICES-003 (Canada), ACMA (Australia) A5/NZS CISPR 32 (Australia), EN55032 & EN55024 (EU) Class I, Division 1, Groups A, B, C, D T3C; Ex ia IIC T3 Class I, Zone 0; AEx ia IIC T3 ATEX: Sira 13ATEX2142X; Ex ia IIC T3 Ga; II 1 G IECEx: SIR 13.0054X; Ex ia IIC T3 Ga; II 1 G S.5" (W) x 7.6" (H) x 4.4" (D) / 140 mm (W) x 193 mm (H) x 112 mm (D) - Excludes RTD Length 5.5" (W) x 7.6" (H) x 4.4" (D) / 140 mm (W) x 313 mm (H) x 163 mm (D) - Excludes RTD Length 5.5" (W) x 12.3" (H) x 6.4" (D) / 140 mm (W) x 313 mm (H) x 165 mm (D) ~5.25 lbs / 2.4 kg ~7 lbs / 3.2 kg WT-RT1: 1/2" NPT Male; WT-RT2: 3/4" NPT Female Type 4X Aluminum; IP66 NDS Ambient Temperature (Class I, Division 1 / Zone 0): -40 °C to 70 °C (-40 °F to 158 °F) LCD Screen -20 °C to 70 °C (-4 °F to 158 °F) LCD Screen -20 °C to 70 °C (-4 °F to 158 °F) LCD Screen -20 °C to 70 °C (-4 °F to 158 °F) LCD Screen -20 °C to 70 °C (-4 °F to 158 °F) Humidity: 0 to 99 %, Non-Condensing -2'Year Parts and Labor USA ON Direct Mount: WT-0900-RT1, WT-0915-RT1, WT-2400-RT1, WT-0868-RT1 Multi-Vendor: WT-0900-RT2, WT-0915-RT2, WT-2400-RT2, WT-0868-RT2
RF Range CERTIFICATIONS & CON EMC/EMI EMC/EMI EMC Safety C C Safety C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C <td> 900/915 MHz: Up to 7500 Feet / 1.4 Miles (2.3 km) with Clear Line of Sight² 2.4 GHz: Up to 4.3 Miles (7 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² APLIANCE FCC Part 15 (USA), IC ICES-003 (Canada), ACMA (Australia) AS/NZS CISPR 32 (Australia), EN55032 & EN55024 (EU) Class I, Division 1, Groups A, B, C, D T3C; Ex ia IIC T3 Class I, Zone 0; AEx ia IIC T3 ATEX: Sira 13ATEX2142X; Ex ia IIC T3 Ga; II 1 G IECEx: SIR 13.0054X; Ex ia IIC T3 Ga; 5.5" (W) x 7.6" (H) x 4.4" (D) / 140 mm (W) x 193 mm (H) x 112 mm (D) - Excludes RTD Length 5.5" (W) x 7.6" (H) x 4.4" (D) / 140 mm (W) x 313 mm (H) x 163 mm (D) - Excludes RTD Length 5.5" (W) x 12.3" (H) x 6.4" (D) / 260mm (W) x 356mm (H) x 165mm (D) ~5.25 lbs / 2.4 kg ~7 lbs / 3.2 kg WT-RT1: 1/2" NPT Male; WT-RT2: 3/4" NPT Female Type 4X Aluminum; IP66 NS Ambient Temperature (Class I, Division 1 / Zone 0): -40 °C to 70 °C (-40 °F to 158 °F) LCD Screen -20 °C to 70 °C (-4 °F to 158 °F) ACD Screen -20 °C to 70 °C (-4 °F to 158 °F) LCD Screen -20 °C to 70 °C (-4 °F to 158 °F) LCD Screen -20 °C to 70 °C (-4 °F to 158 °F) LCD Screen -20 °C to 70 °C (-4 °F to 158 °F) Humidity: 0 to 99 %, Non-Condensing 2-Year Parts and Labor USA ON Direct Mount: WT-0900-RT1, WT-0915-RT1, WT-2400-RT1, WT-0868-RT1 </td>	 900/915 MHz: Up to 7500 Feet / 1.4 Miles (2.3 km) with Clear Line of Sight² 2.4 GHz: Up to 4.3 Miles (7 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² APLIANCE FCC Part 15 (USA), IC ICES-003 (Canada), ACMA (Australia) AS/NZS CISPR 32 (Australia), EN55032 & EN55024 (EU) Class I, Division 1, Groups A, B, C, D T3C; Ex ia IIC T3 Class I, Zone 0; AEx ia IIC T3 ATEX: Sira 13ATEX2142X; Ex ia IIC T3 Ga; II 1 G IECEx: SIR 13.0054X; Ex ia IIC T3 Ga; 5.5" (W) x 7.6" (H) x 4.4" (D) / 140 mm (W) x 193 mm (H) x 112 mm (D) - Excludes RTD Length 5.5" (W) x 7.6" (H) x 4.4" (D) / 140 mm (W) x 313 mm (H) x 163 mm (D) - Excludes RTD Length 5.5" (W) x 12.3" (H) x 6.4" (D) / 260mm (W) x 356mm (H) x 165mm (D) ~5.25 lbs / 2.4 kg ~7 lbs / 3.2 kg WT-RT1: 1/2" NPT Male; WT-RT2: 3/4" NPT Female Type 4X Aluminum; IP66 NS Ambient Temperature (Class I, Division 1 / Zone 0): -40 °C to 70 °C (-40 °F to 158 °F) LCD Screen -20 °C to 70 °C (-4 °F to 158 °F) ACD Screen -20 °C to 70 °C (-4 °F to 158 °F) LCD Screen -20 °C to 70 °C (-4 °F to 158 °F) LCD Screen -20 °C to 70 °C (-4 °F to 158 °F) LCD Screen -20 °C to 70 °C (-4 °F to 158 °F) Humidity: 0 to 99 %, Non-Condensing 2-Year Parts and Labor USA ON Direct Mount: WT-0900-RT1, WT-0915-RT1, WT-2400-RT1, WT-0868-RT1
RF Range CERTIFICATIONS & CON EMC/EMI FC & CON Safety C C & CON Safety C C & CON C C C & CON C & CON C C & C & CON C C & CON C C & C & CON C C	 900/915 MHz: Up to 7500 Feet / 1.4 Miles (2.3 km) with Clear Line of Sight² 2.4 GHz: Up to 4.3 Miles (7 km) with Clear Line of Sight² 868 MHz: Up to 5.2 Miles (8.4 km) with Clear Line of Sight² APLIANCE FCC Part 15 (USA), IC ICES-003 (Canada), ACMA (Australia) A5/NZS CISPR 32 (Australia), EN55032 & EN55024 (EU) Class I, Division 1, Groups A, B, C, D T3C; Ex ia IIC T3 Class I, Zone 0; AEx ia IIC T3 ATEX: Sira 13ATEX2142X; Ex ia IIC T3 Ga; II 1 G IECEx: SIR 13.0054X; Ex ia IIC T3 Ga; II 1 G S.5" (W) x 7.6" (H) x 4.4" (D) / 140 mm (W) x 193 mm (H) x 112 mm (D) - Excludes RTD Length 5.5" (W) x 7.6" (H) x 4.4" (D) / 140 mm (W) x 313 mm (H) x 163 mm (D) - Excludes RTD Length 5.5" (W) x 12.3" (H) x 6.4" (D) / 140 mm (W) x 313 mm (H) x 165 mm (D) ~5.25 lbs / 2.4 kg ~7 lbs / 3.2 kg WT-RT1: 1/2" NPT Male; WT-RT2: 3/4" NPT Female Type 4X Aluminum; IP66 NDS Ambient Temperature (Class I, Division 1 / Zone 0): -40 °C to 70 °C (-40 °F to 158 °F) LCD Screen -20 °C to 70 °C (-4 °F to 158 °F) LCD Screen -20 °C to 70 °C (-4 °F to 158 °F) LCD Screen -20 °C to 70 °C (-4 °F to 158 °F) LCD Screen -20 °C to 70 °C (-4 °F to 158 °F) Humidity: 0 to 99 %, Non-Condensing -2'Year Parts and Labor USA ON Direct Mount: WT-0900-RT1, WT-0915-RT1, WT-2400-RT1, WT-0868-RT1 Multi-Vendor: WT-0900-RT2, WT-0915-RT2, WT-2400-RT2, WT-0868-RT2

¹Ambient temperature and one transmission per 1 min interval without any retries were used to calculate battery life. Actual battery life may vary depending on environmental factors, application, and usage. Use data shown above only as general point of reference. See OleumTech Battery Life Expectancy Chart for predicted battery life based on reporting interval.

²The maximum RF range data was collected under optimal test conditions, including a clear line of sight between antennas. Actual wireless RF range may vary depending on location, RF interference, weather, antenna type, cable type, and line of sight.

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Networking Diagram



