DATA SHEET

ITD-7333R H Temperature & Humidity Sensor

WIRELESS OPERATION

AUDIBLE & VISUAL ALERTS

LONG BATTERY LIFE

BLUETOOTH CONNECTIVITY

- Wireless operation over Active UHF and Wi-Fi CCX, ACX or UDP psk
- Supports WPA2 Enterprise and DHCP
- 0 °C to 70 °C (+/- 0.5 °C)
- 10 to 100% RH (+/- 2%)
- NIST Certified 2-year calibration to maintain temperature and humidity accuracy
- Reliable and accurate ambient temperature and humidity sensing
- Configurable reporting rates (5 to 30 minutes)
- Configurable measurement rates (5 to 30 minutes)
- Audible and visual local alerting when temperature or humidity measurement is out of range
- Patented Guaranteed Data Delivery (GDD), measurement data storage for up to 30 days in case of network outage
- Long battery life with low-battery alert feature
- BLE connectivity and smart-app for setup and data review

ITD-7333 DP H
(3) Three Battery

ITD-7333R H
Single Battery

The Ambient Sensor, ITD-7333R H, is a temperature and humidity sensor that measures and reports environmental changes reliably and accurately with customizable reporting rates.

The ITD-7333R H is part of CenTrak's family of environmental sensors that enable a cost-effective mechanism to ensure correct temperature and humidity levels in rooms or refrigerators. The ITD-7333R H can generate alerts when temperatures or humidity levels are sensed above or below user-set parameters, and the system can provide logs which eliminate human error and the cost of manual documentation. The sensors will continue to monitor temperature and humidity in the event of a power outage and have the ability to store measurements offline which can be transmitted when the network is restored. These sensors can operate over Wi-Fi CCX, ACX, WPA2 Enterprise or CenTrak's Active UHF network.

Maintenance and management are easy. CenTrak's family of environmental sensors offer long battery life, are fully configurable in the field, and allow for wireless upgrades.

The ITD-7333R H was designed to allow very simple and quick exchanges of the NIST calibrated temperature and humidity module with practically no downtime. The module swap can be easily performed by the end user, substantially reducing the cost of ownership.

ITD-7333R H Temperature & Humidity Sensor

Technical Specifications

Operation	
Wi-Fi CCX, ACX or WPA2 Enterprise	2.4 GHz (operates on 802.11 b/g)
FCC Operating Range (Americas)	902-928 MHz
CE Operating Range (Europe, Mid East)	868-870 MHz
Operating Range (Australia/NZ)	920-926 MHz
Bluetooth	2.4 – 2.4835 GHz
Display	Multi-line display
LED indicator	Yes
Local Audible Alert	Yes
Battery Replacement	Yes
Temperature Ranges (Accuracy)	0 °C to 70 °C (+/- 0.5 °C); 10 to 100% RH (+/- 2%)
Sensor Dimensions	
Case Length	4.7 in (120 mm)
Case Width	2.875 in (73 mm)
Case Height	Single battery – 0.9 in (23 mm) Three battery – 1.375 in (35mm)
Case Weight (with battery)	Single battery – 4 oz (114 g) Three battery – 5.2 oz (147 g)
Construction	PC/ABS Mixture
Durability	Tough, impact resistant and temperature stable
Environmental/Cleaning	
Storage Temperature (Sensor) **Operation Temperature(Sensor)**	- 20 °C to 75 °C (for best battery life store at room temp or below)
Sealing	Splash Resistant
Sensor Cleaning Method	Wipe cleaning method only. See Tag Disinfection Guide for instructions
Power	
Battery Type	Single or triple Lithium AA (replaceable)

Contact Us: www.centrak.com | marketing@centrak.com | 800-515-2928

FCC regulatory conformance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference.
(2) This device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more
of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

RF Exposure
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

IC regulatory conformance

This device complies with CAN ICES-3 (B)/NMB-3(B).
This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subjectto the following two conditions:
(1) this device may not cause harmful interference, and
(2) thisdevice must accept any interference received, including interference that may cause undesiredoperation.
Cetappareilestconformeà la norme CAN ICES-3 (B)/NMB-3 (B).
Le présentappareilestconforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitationestautorisée aux deux conditions suivantes :
(1) l'appareil ne doit pas produire de brouillage, et
(2) l'utilisateur de l'appareil doit accepter tout brouillageradioélectriquesubi, mêmesi le brouillageest susceptible d'encompromettre le fonctionnement.

RF Exposure
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Cetéquipementestconforme aux limites d'exposition aux rayonnements de la IC établies pour unenvironnement non contrôé.
Cetéquipement doit être installé et fonctionnerà au moins20cm dedistance d'un radiateurou de votre corps.

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