

Armada Smart Temperature and Humidity Sensor

Continuous Environmental Monitoring: Catch HVAC and Water Issues Before They Escalate

Powered by Shelly H&T Gen3 | Model S3SN-0U12A

The Armada Smart Temperature & Humidity Sensor provides continuous environmental monitoring for individual units and shared spaces, alerting property managers and residents the moment conditions move outside acceptable ranges. Compact and battery-powered, it installs in minutes without wiring and reports data in real time through the O&M Insights platform.

Property teams monitor temperature and humidity readings across their portfolio through Fleet Commander and the Armada Power mobile App. Residents view the device status through app as well.



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armada

Value for the Property

- Portfolio-wide temperature and humidity visibility through Fleet Commander and the Armada Power mobile app. Spot HVAC underperformance, elevated moisture, or environmental drift before a service call becomes a repair bill.
- Configurable alerts notify property team when readings exceed thresholds. High heat, low temperature, or elevated humidity trigger notifications.
- Proactive early warning for conditions that lead to mold growth, freeze damage, or HVAC strain, reducing reactive maintenance and unit turnover risk.
- On-device display shows current readings on the device, useful during walkthroughs without opening an app.
- Approximate 1-year battery life with configurable reporting intervals to balance responsiveness and battery consumption.

Value for the Resident

- Device status is visible in the Armada Power app at any time.
- Notification if conditions in their unit fall outside normal range: high heat, unusual cold, or excess humidity.
- Peace of mind in kitchens, bathrooms, and laundry rooms where humidity and heat levels fluctuate most.
- On-device display shows time, temperature, humidity, and Wi-Fi status, readable at a glance without opening an app.
- Operates silently in the background.

How it Works

The sensor continuously monitors temperature and humidity, updating Fleet Commander at set intervals. On battery power, the device wakes every minute, updates its display when readings change meaningfully, and reports to the cloud at least once every two hours, or when a threshold is crossed. When powered via USB-C, it wakes and reports every five minutes for higher-frequency monitoring.

Alerts are configured at the property level in Fleet Commander, ensuring thresholds reflect the specific risk profile of each location. Both property teams and residents receive alerts or status updates through the Armada Power app. Property managers also have full visibility through Fleet Commander.

Recommended Installation Locations

- Mechanical rooms, boiler rooms, and utility closets
- Laundry rooms, basements, or places where excessive humidity may cause damage

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For more information email sales@armadapower.com or call 1 (855) 820-7500.



Armada Smart Temperature & Humidity Sensor – Specifications

Hardware Specifications

Model	Shelly H&T Gen3 S3SN-0U12A
Dimensions	70 × 70 × 26 mm / 2.76 × 2.76 × 1.02 in (without stand) 70 × 70 × 45 mm / 2.76 × 2.76 × 1.77 in (with stand)
Weight	47 g / 1.66 oz
Shell Material	Plastic
Mounting	Tabletop stand (included) or wall mount using screws or double-sided foam sticker
Display	E-paper graphic display showing temperature, humidity, time, Wi-Fi signal, and battery status
Power Supply	4 × AA 1.5V batteries (not included) or USB Type-C (continuous power; cannot charge batteries)
Battery Life	Approx. 1 year (varies by reporting frequency, temperature/humidity change rate, and signal strength)
Warranty	3-year limited warranty (Gen3 device)
Detection Interval	Every 5 seconds
Warranty	3-year limited warranty (Gen4 device)

Connectivity

Wi-Fi	802.11 b/g/n 2.4 GHz Up to 30 m / 100 ft indoors
Bluetooth	Bluetooth 4.2 Up to 10 m / 33 ft indoors
App Access	Armada Power Mobile App - property team and residents Fleet Commander - property team

Environmental Rating

Operating Temp	0°C to 40°C / 32°F to 105°F
Humidity Range	30% to 70% RH
Max. Altitude	2,000 m / 6,562 ft

Reporting Behavior

Power Mode	Measurement Interval	Cloud Reporting
Battery	Every 1 minute; display updates on change $\geq 0.2^{\circ}\text{C}$ or 3% RH	On change $\geq 0.5^{\circ}\text{C}$ or 5% RH; unconditionally every 2 hours
USB-C (Continuous)	Every 5 minutes	Unconditionally every 5 minutes

Armada Platform

- Fleet Commander — Property and portfolio-level monitoring, alerts, and device status for property teams
- Armada Power App — Property team and resident notifications, alerts and device status
- Per-device alert configuration
- Pairs with Armada Power Optimizer for complete water heater and leak monitoring coverage

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