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System Datasheet

notion lite®

5 Simple steps towards temperature compliance

The IceSpy Notion Lite system is the ideal temperature monitoring solution for retail food outlets, retail pharmacy stores and medical clinics. This easy-to-use system provides users with immediate access to real-time data and alarms, with audit ready reports available at the click of a button.

The accompanying temperature sensors measure-22°F to +122°F (-40°F to +212°F with external probe) and have been specifically designed for use across all retail fridges, freezers and chillers.

Additional sensor options combine temperature with door monitoring and event alarms. Damping blocks are also available to control the sensor response rate as required for example in food core temperature monitoring.

Temperature measurements and door alarms

Benefits

- Assists with national regulatory requirements such as HACCP
- Improve product quality and reduce product waste
- Reduce errors resulting from manual checks
- Eliminate time spent taking manual readings
- Alleviate audit stress with easy to access historical reports
- No software or computer hardware to maintain

Wireless real-time data collection and alerts 24/7

Features

- System obtains data from up to 30 transmitters
- Temperature and door alarm options available
- Connects to local router, no IT intervention normally required
- User replaceable battery in all transmitters
- Wall mounted bracket incorporated into case designs
- Hosted cloud-based software with affordable annual subscription*
- User friendly installation and software
- Complies with FCC regulation
- Complies with RoHS to 2011/65/EU (RoHS2) directive
- Carries CE Marking
- Complies with BS EN 12830

*Hosted by Microsoft Azure

Intuitive cloud-based software with instant audit ready reports

Applications

- Butcher Shops
- Bakers
- Cafes and canteens
- Restaurants
- Retail chains
- Fishmongers
- High street pharmacies
- Doctors surgeries
- Hospital ward drug storage
- Veterinary surgeries

5 simple steps towards temperature compliance

1. Check your kit contents
2. Set up your Cloud Receiver
3. Set up your transmitters
4. Create and register your online account
5. Position your hardware

Power failure Protection

Battery back up for up to 1 day

ICESPY®

BRITISH MADE for Quality

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IceSpy Notion Lite System

DATASHEET

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RADIO TRANSMITTER FUNCTIONS

(applicable to all Notion Lite temperature transmitters)

Frequency:	902-928 MHz band.
Radio Power:	Max 10mW, duty cycle <0.1%
Radio Range:	Approx. 2600 ft. over open ground
Case Materials:	ABS
Battery:	1.5V AA Lithium (Hanwell Inc. only recommend the approved and tested Energizer Ultimate Lithium L91 (Hanwell Inc. stock No.G301) 1.5V AA Alkaline (not recommended for use below 32°F). Duracell ID1500-10 (alkaline) (Hanwell Inc. stock No. 88705). Battery life will be reduced at low temperatures.
Battery Life:	Up to 1.5 years using recommended Lithium battery (dependent on format of data received and operating environment)
Hardware Required:	- Cloud Receiver - Sensors (Up to 30 depending on license) * - Annual license subscription for up to 30 sensors depending on your monitoring requirements

* W613 (10 sensor license) W613-30 (30 sensor license)

PREREQUISITES

OPERATING/VIEWING PREREQUISITES

- Internet access
- A router with a spare connection
- A desktop or laptop computer running Windows, Mac OS or Linux. A tablet can also be used to view data

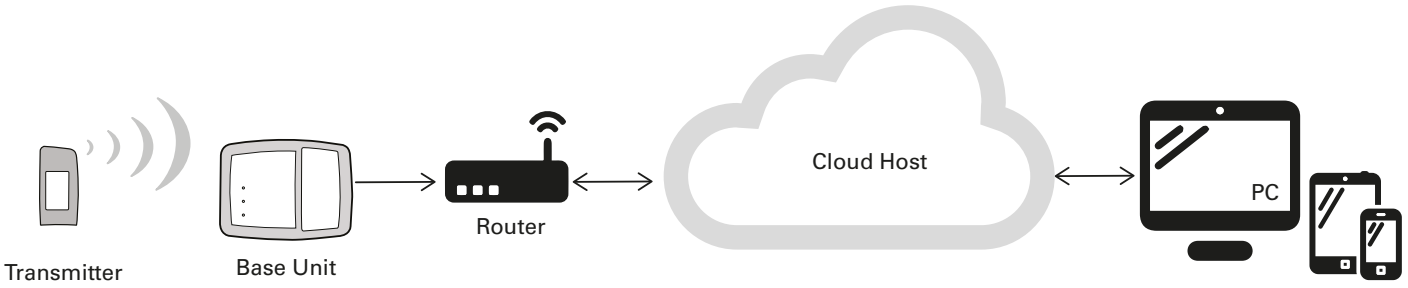
Notion Lite Cloud Receiver and Proxy Servers

The Notion Lite cloud receiver is NOT intended for use in corporate networks using a Proxy Server.

The Cloud Receiver will generally work through a properly configured Transparent Proxy Server that does not require authentication; it will NOT work with any other type of Proxy server.

If you are unsure what type of Proxy Server your corporate network uses, please ask your System Administrator or IT Service Provider; please do NOT contact Hanwell Inc. Technical Support as we will be unable to help you with this.

SCHEMATIC



GENERAL INSTRUMENT SPECIFICATIONS

Power Supply:	Enclosed battery 1 x 1.5V AA Lithium (user replaceable)
Case Material:	ABS
IP Rating:	IP65

CE RoHS FC

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IceSpy Notion Lite System

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NL300 INTERNAL TEMPERATURE TRANSMITTER

PART NO. IN-WT001F2

INSTRUMENT SPECIFICATIONS

Dimensions:	Body Length: 5.1 x 2.6 x 1.3 in.
Weight:	4.6 oz. including battery
Internal Temp. Sensor:	Semiconductor
Internal Temp. Range:	-22°F to +122°F
Accuracy:	±1.0°F
Resolution:	0.2°F
Instrument Operating Temperature:	-22°F to +122°F
Instrument Storage Temperature:	-40°F to +185°F

NL300 INTERNAL TEMPERATURE TRANSMITTER & DOOR SWITCH

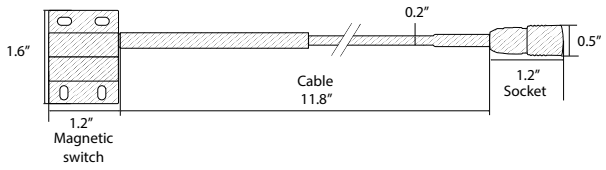
PART NO. IN-WT002F2

PROBES PART NO. IN-DC001 - DOOR SWITCH

INSTRUMENT SPECIFICATIONS

Dimensions:	6.5 x 2.6 x 1.3 in. (1.6 including mounting bracket)
Weight:	5.3 oz. including battery
Internal Temp. Sensor:	Semiconductor
Internal Temp. Range:	-22°F to +122°F
Accuracy:	±1.0°F
Resolution:	0.2°F
Door switch:	Magnetic reed switch (purchased separately)
Door switch cable:	Approx. 10 ft.
Instrument Operating Temperature:	-22°F to +122°F
Instrument Storage Temperature:	-40°F to +185°F

Door Switch:



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IceSpy Notion Lite System

DATASHEET

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NL300

EXTERNAL TEMPERATURE TRANSMITTER

PART NO. IN-WT003F2

PROBES PART NO. IN-TH150 (APPROX. 5 FT. CABLE) - EXTERNAL THERMISTOR PROBE

INSTRUMENT SPECIFICATIONS

Dimensions:	6.5 x 2.6 x 1.3 in. (1.6 including mounting bracket)
Weight:	5.3 oz. including battery
External Temp. Sensor:	Curved matched thermistor (purchased serparately)
External Probe Temp. Range:	-40°F to +212°F
Accuracy:	±1.0°F
Resolution:	0.2°F
Probe Cable Length:	Approx. 5 ft.
Instrument Operating Temperature:	-22°F to +122°F
Instrument Storage Temperature:	-40°F to +185°F

NL300

EXTERNAL TEMPERATURE TRANSMITTER & DOOR SWITCH

PART NO. IN-WT004F2

PROBES PART NO.
- IN-DC001 - DOOR SWITCH
- IN-TH150 (APPROX. 5 FT. CABLE) - EXTERNAL THERMISTOR PROBE
- IN-TH300 (APPROX 10 FT. CABLE) - EXTERNAL THERMISTOR PROBE

INSTRUMENT SPECIFICATIONS

Dimensions:	6.5 x 2.6 x 1.3 in. (1.6 including mounting bracket)
Weight:	5.3 oz. including battery
External Temp. Sensor:	Curved matched thermistor (purchased separately)
External Probe Temp. Range:	-40°F to +212°F
Accuracy:	±1.0°F
Door switch:	Magnetic reed switch (purchased separately)
Door cable:	Approx. 10 ft.
Resolution:	0.2°F
Probe Cable Length:	Approx. 5 ft.
Instrument Operating Temperature:	-22°F to +122°F
Instrument Storage Temperature:	-40°F to +185°F

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IceSpy Notion Lite System

DATASHEET

CB1

CB1 – CloudBase receiver and base unit
Part No. IN-WR001-F2

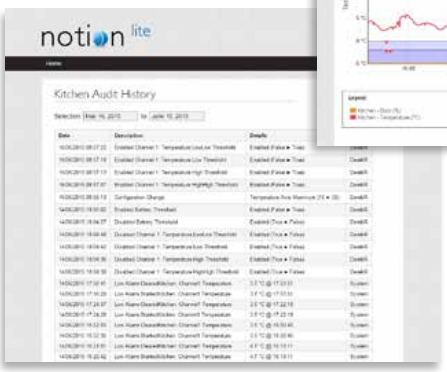
INSTRUMENT SPECIFICATIONS

Dimensions:	7.7 x 5.8 x 1.8 in.
Weight:	15.9 oz.
Battery Backup (up to 1 day):	Rechargeable NiMH ensuring continued data capture in the event of mains fail
Memory capacity:	Approx 5 days of back up incase of network failure
Case Material:	ABS
IP Rating:	IP53
Power Supply:	12VDC via external universal power supply. Power supply included. (Hanwell Inc. recommend only our approved power supplies stock code: G422)
Outputs:	Relay Common Alarm (NO or NC Contacts)
Operating Temperature range:	32°F to +104°F, humidity 0-90%
Storage Temperature Range:	-40°F to +185°F
Data:	Provides storage for data for up to 30 transmitters Data recorded for each sensor at 10 minute intervals. Data automatically downloaded to cloud-based software platform every 30 minutes.

SOFTWARE

Notion Lite Cloud-Based Software

- Graphical data
- Visual alarms
- Live data
- Door alarms
- Battery level
- Audit history
- Reports
- Account settings/user
- Comprehensive online help
- Email alarms
- SMS alarms



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