# IceSpy Notion Pro

## ARB module (Alarm, RFID and Bluetooth)

**notion** pro
Affordable wireless monitoring without compromise

The ARB module is an optional piece of hardware that works in conjunction with the Notion Pro radio system that provides users with additional functionality not available with other devices. These include visual and audio alarms, RFID for data backfill and Bluetooth interface for handhelds.

Alarm     Bluetooth     RFID

The module has been designed specifically to provide users with visible alarm displays via the front OLED display. From the unit, users can acknowledge alarms and mute buzzer sound alerts. These convenient alarm modules can be connected anywhere on the network that alarm information is required. The alarms shown can be programmed from the PC.

In the unlikely event of gaps in data, the RFID interface and cradle enables quick and accurate data backfill directly from transmitters.

Additional Bluetooth module capabilities enable users to interface data directly to Notion Pro software from IMC MM7000 handheld thermometers.

## Features

- OLED display and keypad for instant visual alarm notifications and acknowledgement
- RFID connectivity for fast data backfill
- Bluetooth connectivity for use with IMC handheld thermometers
- Optional wifi communication
- On-board relays configured for common alarm and power failure
- Vast range of units and sensors provide users with multiple temperature related applications
- ARB module incorporates a wall mountable bracket
- Complies with BS EN 12830
- Complies with RoHS, EU directives and WEEE
- Carries CE Marking

\* The ARB module does not have battery back-up as it cannot power the network from a battery. If network or power failure notification is required the Notion SMS unit would provide this function.

## Benefits

- 24/7 in and out of hours alarm notifications
- Improve product quality with enhanced alarm visibility
- Using the alarm unit allows operators to see alarms in remote areas
- Reduces the risk of damage to stock
- Sensor back-up function
- Import data from handheld thermometers

Always ask for a long-range signal strength test when buying any radio system.

We can prove ours to be unrivalled

Demo Sensor 1
Humidity: LOW     Reading: 38.0%RH

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## TECHNICAL SPECIFICATIONS

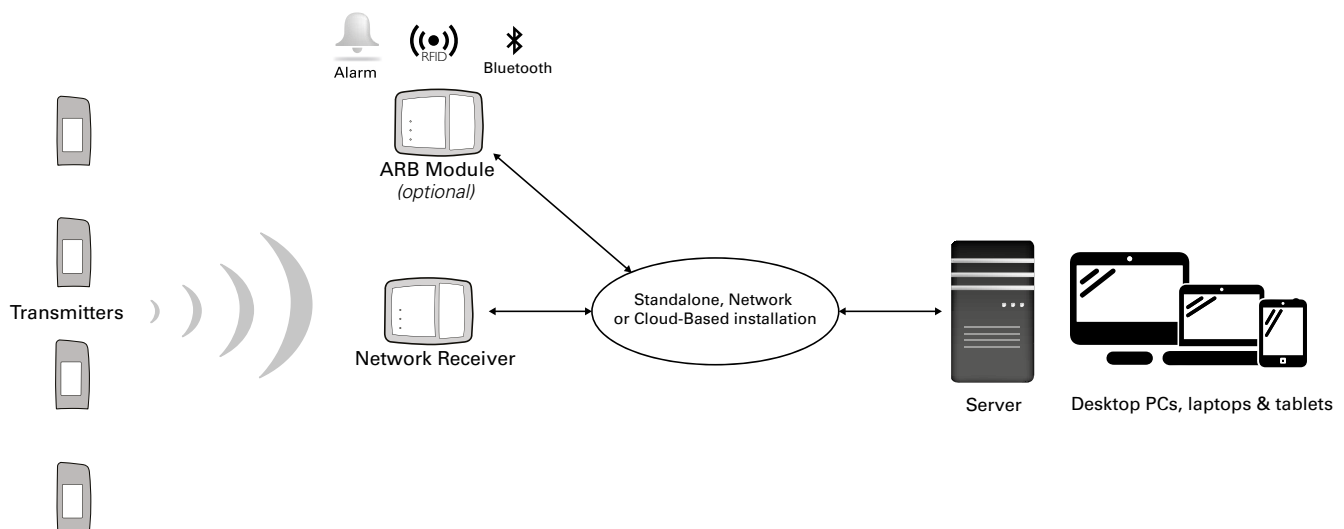| | |
|---|---|
| Dimensions: | 195 x 148 x 45mm |
| Weight: | 450g |
| Case materials: | ABS |
| IP Rating: | IP53 |
| Operating Temperature: | 0°C to +40°C |
| Storage Temp: | -40°C to +85°C    0-100%RH non-condensing |
| Power Supply: | 12VDC via external universal power supply. Power supply included. (IMC recommend only IMC approved power supplies stock code: G422) |
| Memory: | Can handle up to 50 unacknowledged alarms |
| Outputs: | Relay 1 Common Alarm (NO or NC) Relay 2 Power Failure (Held closed when powered) Both relays volt free RS485 |

### Visual indicators

| | |
|---|---|
| Display: | 128 x 64 pixels OLED display |
| LED Indication: | Red (Alarm) Yellow (Comms) Green (Power) |
| Communication: | TCP/IP via R545 connector Wi-Fi option available |

### Inputs

| | |
|---|---|
| Keypad: | 5 x Membrane touch keys |
| Sensor Backup: | RFID (Radio Frequency Identification) interface |

## Schematic:

Version 2

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