AoFrio

Monitor

Connected refrigeration – multifunctional integrated IoT sensor

- Retrofit or new equipment
- Easy installation
- Self-contained
- Universal fit
- Battery-powered

Specifications

Power source	Lithium battery*, 4000 mAh, size A
Battery life	5+ years**
Sensors	Internal
Transmitters	Bluetooth, NFC
Indicators	LED status indicator
Protocols supported	AoFrio™ IoT, iBeacon, Eddystone
Data storage	2 months under normal operating conditions
Overall dimensions	107 x 42 x 27 mm (4.2 x 1.6 x 1.1 in)
Ingress protection	IP67
Operating temperature	-35ºC to +40ºC (-31ºF to +104ºF)
Storage temperature	-40ºC to +85ºC (-40ºF to +185ºF)
Weight	70g (2.5oz)
Approvals	CE FC RoHS Bluetooth® ANATEL NOM R!

* Battery is not replaceable nor rechargeable
** Battery life may vary based on the environmental and operational settings

Functions

Asset Location	• Identify equipment position changes at retail location via movement detection • Manage unauthorized movements by tracking location via AoFrio IoT Apps
Appliance parameters logged	• Temperature: record average, high, and low during each period • Door opening count: track commercial activity • Compressor operation: perform technical diagnostics
Internal functions logged	Track internal battery status and fault alarms
Connection and data format	Compatible with all other AoFrio IoT devices and apps
Battery optimisation	• Self-determines when an appliance is not in use and automatically enters standby mode • Beacon advertising frequency optimized for functionality and configurable for enhanced battery life
Beacons	iBeacon and Eddystone beacon equipped for both consumer marketing and commercial app interactions
Equipment application	Vertical coolers and freezers, food service counters, walk-in coolers and cold rooms, etc*

* One Monitor required per door. Multiple devices per system may also be required for special applications
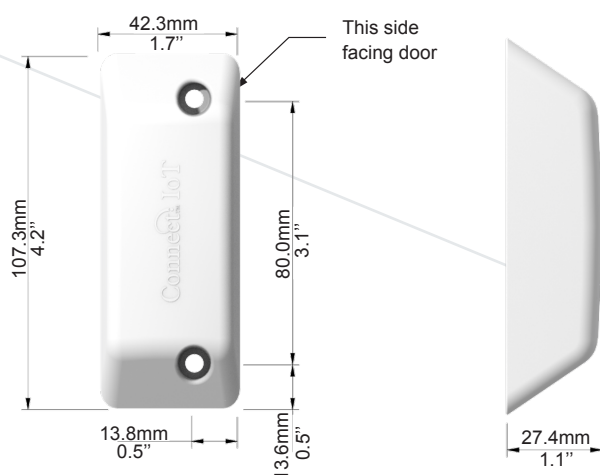
Installation

- Attach Monitor to appliance wall within **70mm (2 3/4 inches)** of door, using the supplied hardware (adhesive tape or self-tapping screws).

- Using Connect™ Field app, enable Monitor and assign the equipment information.

- Complete equipment in-store setup following your usual process in the Field app.

Install Monitor in any refrigerator or freezer appliance. Applications include:

- retrofit your non-connected equipment fleet;
- monitor refrigeration equipment with mechanical thermostats;
- fit to foodservice display cabinets;
- monitor cold rooms, walk-in coolers, and freezers;
- log temporary cold storage devices at events;
- monitor and track cold or frozen goods during transport;
- fit to portable refrigeration units;
- automate your HACCP monitoring and reporting;
- track unpowered assets, such as merchandising racks and shelves.

Evaporator inlet

Optimum mounting position

Top shelf

cold drinks

Dimensions

42.3mm 1.7"

This side facing door

107.3mm 4.2"

Connect IoT

80.0mm 3.1"

13.8mm 0.5"

13.6mm 0.5"

27.4mm 1.1"

Safety warning: Monitor devices contain a lithium battery. This may be hazardous if incinerated or physically damaged. Used devices should be responsibly disposed. Patent pending.

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