

Syrinx system



Syrinx is a system for temperature and humidity monitoring in environments such as warehouses, stockhouses, buildings, laboratories, hospitals, museums etc., and fridges, fridge cells, ultra freezers. It is based upon the ZED radio modules that can accept up to two sensors each. These are intelligent sensors, for a quick and easy recalibration: just replace the expiring sensor with a new calibrated one and the system will recognize it and will be automatically calibrated, updating the dates.

Intelligent sensors can be of temperature only or temperature and humidity. It is possible to buy ZED radio modules and choose any type of Intelligent sensor: if you choose to have just one sensor on your ZED you can add another sensor later, of another type also.

ZEDs transmit via radio data from the sensors to receivers called EAPL (Ethernet Access Point Lite) connected to the network; these send data to a collector called Syrinx. Data are shown on the FridgeLog Z software installed on one or more PCs.

Main features

- Wireless transmission with email and SMS alarms
- Thermal history for each monitoring point (data appended one after the other)
- Quick and easy recalibration thanks to the intelligent sensors
- Shared data access (multi user software with login and password access)
- User replaceable batteries
- Email and SMS alarms to different recipients divided into groups.

Plus

- High accuracy
- Long battery life
- HACCP compatible with ISO management
- Thanks to the ZigBee radio modules data are secured through the bidirectional communication and the internal memory of each sensor. In case of communication failure, data are saved in the memory that will transmit them as soon as communication is established again
- Recalibration is immediate, easy and not expensive with the intelligent sensors
- Using repeaters and Ethernet Access Points Lite big distances and multi level installations can be covered

The system

Syrinx system is made up by:

- ZED IT with intelligent sensors – radio module with temperature or temperature and humidity sensors
- Ethernet Access Point Lite (EAPL) – Radio receiver and Ethernet transmitter
- Syrinx L – EAPL data collector and alarm manager
- FridgeLog Z – Data management software

Accessories

- FridgeLog Z
- EAPL Ethernet Access Point Lite
- Syrinx L
- Syrinx software
- Syrinx desktop

Applications



Cold Chain



Warehouses



Environment



Logistic&Transport



Pharmaceutical



Food & Beverages



Healthcare



Laboratories



Medical

Technical specifications

Alarms	Email, SMS (with ZED IT and Syrinx system only)
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