

# SMR-433/868/915 MHz

## SmartNext™ Repeater

### Main Features

- Range extender
- Transmission range:
  - Open air: Up to 1000 m` (3000 ft)
  - In door: Up to 100 m` (300 ft)
- Up to 32 remote sensors
- Frequency hopping: Military grade, radio technology
- Seamless connectivity to sensors and control panel

### Product Description

SmartNext™ is an industrial wireless sensors connectivity system that offers seamless connectivity of any standard sensor, using RF transducers and dedicated control panel. The SmartNext™ features an un-matched radio quality and robustness, specially designed to meet industry, harsh environment, requirements

The SMR 433/868/915MHz is the SmartNext™ repeater, supports up to 32 remote sensors.

The SMR Repeater features true plug & play installation with no configuration or wiring requirement.

The SMR answers the need for range extension in remote locations, or to improve wireless reception quality in partially shielded areas



### SmartNext™ Family

#### Target Markets:

Food & Beverage

Pharmaceuticals

Industrial Furnaces

Water & waste-water

Laboratories

#### Applications:

Data logging

Temp & humidity

Pressure & level

Voltage: 0-2V, 0-5V

Standard 4-20mA

PT-100

Dry contact / Dig-in

# Product Data Sheet

## Power Supply

Power supply	220 VAC / 110 VAC
Power consumption	40mA
Backup power source	4.8V NiMH rechargeable: 24 Hours
Led indication	Yes

## Wireless

Frequency	433/868/915 MHz
No. of supported sensors	32
WL output power	Up to 20 dBm (100mW) Automatically adjusted
Network topology	Star
Receiver sensitivity	-105 dBm
Modulation	GFSK Spread spectrum
Frequency hopping	Yes

## Range

Out-door (LoS)	Up to 1000m / 3000 Ft'
In-door	Typically 100m / 300 Ft'

## Configuration

Local configuration	Not Required
Remote configuration	Yes

## Enviromental

Operating temp	-30°C / -22°F to +70°C / +158°F
Case enclosure type	IP67 (inside dedicated enclosure)
Dimensions	160X160X50 mm
FCC	Yes