

# PowerTag Ambient for Temperature



PowerTag Ambient  
for Temperature



ZBRA1 relay antenna

IEC 60950, EN 61000-6-1, EN 61000-6-3, EN 61326-1,  
EN 62311:2007,  
ETSI EN 301 489-1, ETSI EN 301 489-17,  
ETSI EN 300 328

As per the above standard:

**PowerTag Ambient for Temperature are wireless-communication modules** designed specifically to collect temperatures measures for Monitoring applications. They are part of PowerTag System, thanks to wireless-communication to the PowerTag Link C concentrator.

The PowerTag Ambient for Temperature is to be placed directly in the targeted location (cold room/ fridge...) to monitor.

The sensor transmits information to the concentrator every 2 minutes.

The sensor also stores 1 measure per hour in order to enable the generation of HACCP compliant automated temperature reports.

- Wireless-communication technology simplifies cabling and commissioning operations: no wiring is required for the PowerTag Ambient for Temperature modules to communicate with the concentrator, up to 100 m open field.
- System scalability: PowerTag Ambient for Temperature modules can be easily installed at any time with simple commissioning operation.
- PowerTag Ambient for Temperature modules work on battery and can be installed with double-side tape, clamp or screw.
- Depending on the setup of the electrical panel where the PowerTag Link C is located, the quality of the signal can be improved by a repeater.

## Accessory

- Relay antenna (signal repeater)

## Catalog number



### PowerTag Ambient for Temperature

PowerTag Ambient for Temperature (set of 4)

**A9XST114**



### Accessory

Relay antenna, AC/DC, 5m cable output

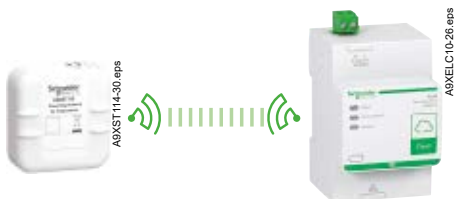
**ZBRA1**

## Associated concentrator

### For Small Business applications



### Acti9 PowerTag Link C



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Acti9 PowerTag Link C



**A9XELC10**

Refer to the concentrator catalog for more information.

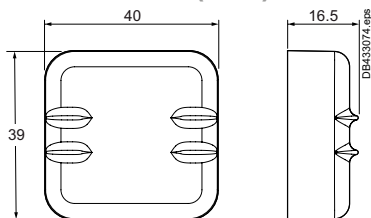
## PowerTag Ambient for Temperature (cont.)



## Technical characteristics

| Main characteristics          |               |                            |
|-------------------------------|---------------|----------------------------|
| Measurement range             |               | -30°C to +55°C ± 1°C       |
| Battery duration              |               | 2 years                    |
| Operating temperature         |               | -30°C to +55°C             |
| Storage temperature           |               | -30°C to +55°C             |
| Operating/storage humidity    |               | 0...95 % Relative Humidity |
| Degree of protection          |               | IP65                       |
| Radio-frequency communication |               |                            |
| Operating frequency           |               | 2.405 GHz                  |
| Maximum output power          |               | 4 dBm                      |
| Channel occupancy             | Messages sent | every 2 minutes            |

## Dimensions (mm)



## Weight (g)

| PowerTag Ambient for Temperature (set of 4) | 60 |
|---------------------------------------------|----|

PowerTag Ambient for Temperature (cont.)



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