



# ROBYDOME

ELECTRONIC SOLUTIONS

# WTM-1

Web Temperature Monitor



## **What is a WTM-1?**

**The WTM-1 is a Temperature controller that allows you to read the temperatures of your store and control the ventilation fans from anywhere.**

## **How does it do that then?**

**It takes the temperature readings from wireless probes in the store and displays them on a web page you can access from your phone, or tablet, or computer, basically anything with a web browser.**

## **How many probes can I have?**

**32 wireless probes per receiver and up to 8 receivers per WTM-1.**

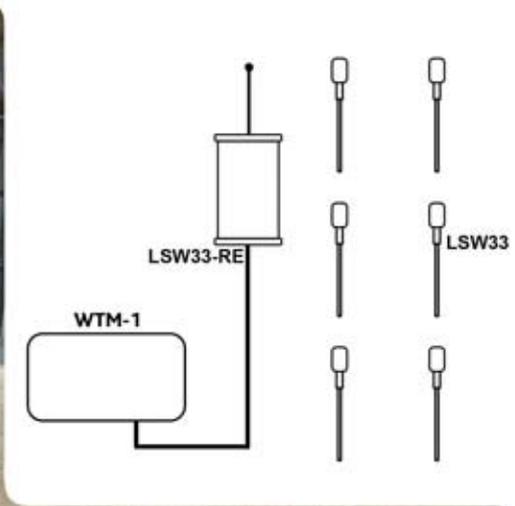
## **What's the range on the Probes?**

**100m with line of sight to the receiver, anything in the way, like walls, will reduce that range.**

# The wireless temperature probes.

Designed for semi-permanent sensing, LSW33 wireless probes are inserted into the bulk grain and transmit their reading to the LSW33-RE wireless receiver which is connected to back to the WTM-1 using a 4 core cable.

The WTM-1 will retrieve the temperature readings from up to 8 wireless receivers.



# Features

## Robydome Office (Roby-2)

Zone	Last Updated	Low	High	Avg	Action
Zone 1 Store	2018-04-05 08:40:35	22.0	23.4	22.5	<a href="#">View</a>
Zone 2 Store	2018-04-05 08:40:36	22.0	23.4	22.5	<a href="#">View</a>
Zone 3 Wheat Store	2018-01-23 10:48:18	--	--	--	<a href="#">View</a>



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## Overview

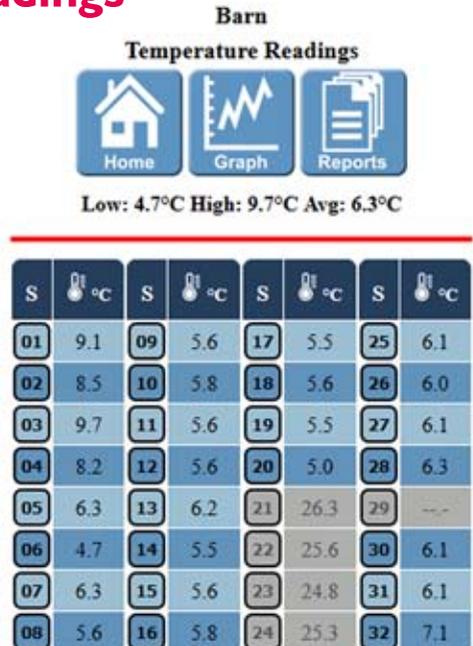
This is the overview screen, you can see the low, high and average temperature for each zone at a glance.

Each zone is a separate wireless receiver, we recommend 1 receiver per store.

## Detailed Temperature Readings

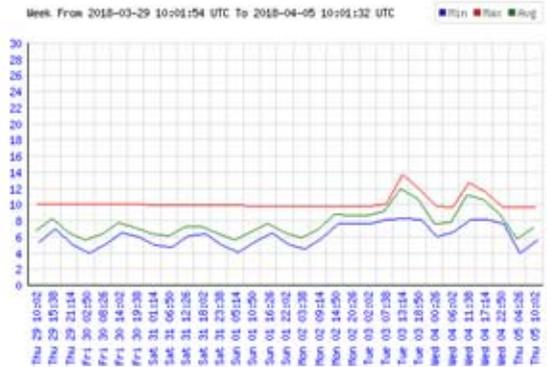
Viewing a zone gives you all the temperature readings for that zone, as well as access to the graph and reports.

You'll notice that some of the readings in the picture are greyed out, this is to show that we are ignoring them, that way probes that aren't in the crop don't affect the overview.



# Graphing

An easy way to see if the temperatures in your store are raising or falling, the WTM-1 will generate graphs of the temperature for each zone for the last Day, Week, Month or a user settable date.



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## Reports

If you need to keep temperature data for audits the WTM-1 can generate reports for each zone for the last Day, Week, Month or user settable date.

The reports can be saved as a separated text file for easy import into Excel or just to print out and keep for your records.

## Fan Control

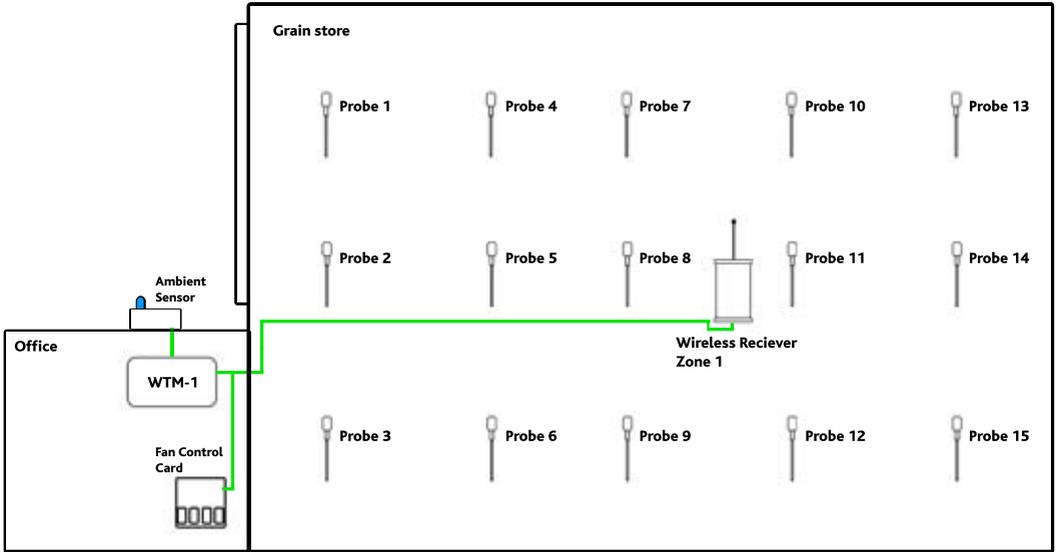
The WTM is designed for differential fan control saving you money by only running the fans when the outside air is cold and dry enough.

If you have a hot spot you can set the WTM to work from the highest reading, a specific sensor or just the average.

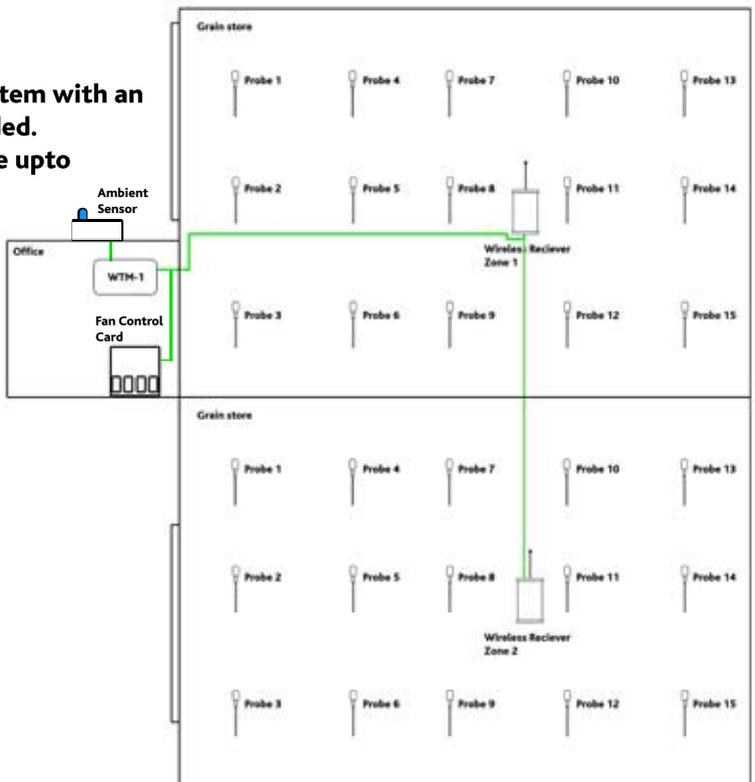


# Typical systems

This is a fairly standard system for a single store.



This is the same system with an additional store added. The system can have upto 8 stores.



# Key Features

- Read your store temperatures from anywhere.
- Works on any device, no software to install.
- Wireless temperature probes.
- Minimal installation.
- Modular system, adding to it later is easy.
- Up to 8 zones.
- Up to 32 probes per zone.
- Graphs make tracking temperature change simple.
- Differential Fan Control saves money.
- Email Alarms for peace of mind.
- All temperature readings are stored for quality assurance.



The WTM-1 provides a cost effective way of monitoring, controlling and logging the temperature in your store, please contact us for a quote or to discuss your requirements.

We also offer computer control systems for larger stores as well as stand alone controllers.

Robydome electronics has been operating since 1976, both with our own systems and as an OEM manufacturer.

All our products are designed and built in the UK.

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