





## A PERFECT MATCH



The **Perrot ZB series** is a great option for orchard irrigation as it can increase yields while saving water due to its high distribution uniformity.

Additionally, the durable design of the ZB makes it a reliable choice for modern orchard irrigation.



Using pioneering LoRa radio technology, **Toro Tempus® Air** allows you to create an affordable and fully automated water delivery solution – all without wires.

Connecting to wi-fi or a secure broadband cellular network, it brings a wide range of data and functions direct to your device, improving your ability to monitor field conditions and deliver water to the right place, at the right time, in exactly the right amounts.



Using a centralised control system that can read and process data from field and climate sensors helps achieve **greater control over water application times and amounts to match local evapotranspiration rates**, leading to optimal soil moisture conditions.

Example of a 5-ha orchard with 12 irrigation blocks, all managed remotely by a centralised Tempus® Air system consisting of:



1 4G-LoRa™ Gateway to manage the controller (MV and CT), multi sensor (MS) and pressure sensor (PS) modules

🖊 Tempus® Air MV

1 IP68 battery-powered controller, to control 1 Master DC latching solenoid valve

Tempus<sup>®</sup> Air CT

6 IP68 battery-powered controllers, each to control 2 DC latching solenoid hydraulic valves

Tempus® Air MS (S4)

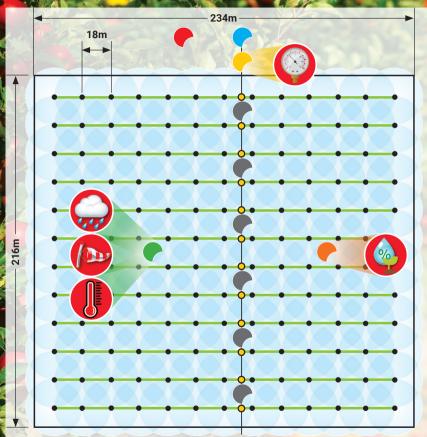
1 IP68 battery-powered multi-sensor module, to read the data detected by temperature, wind and pluviometer sensors

Tempus® Air MS (S1)

1 IP68 battery-powered single-sensor module, to read the data detected by soil moisture sensor

Tempus® Air PS

1 IP68 battery-powered pressure sensor module, to monitor system status at all times. Example layout design showing ZB 22 full-circle sprinklers



NO WIRING ALL MODULES ARE BATTERY POWERED



Irrigation systems for all terrains. Quality and efficiency 'Made in Germany'.



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