



AUTOMATION

THE FUTURE OF AGRICULTURE



WI FI 4G

PRESSURE TRANSDUCER

MULTI-SENSOR

MAIN VALVE

BASE STATION

CONTROLLER UNIT

TEMPUS FAMILY OF PRODUCTS

For more information including user manual, help guides, training videos and more, visit toro.com/tempus-ag

From pressure and water flow to humidity and soil temperature: Take full control, take automated control.



TEMPUS-AG-CT

A waterproof battery-powered wireless irrigation controller capable of operating up to 4 latching solenoids.

DATA ACQUISITION	1, 2 or 6 stations
SENSOR CAPABILITY	Pressure Switch, Flow Meter and Rain Sensor
	4 Irrigation schedule p/station Continuous irrigation or cycle and soak Time in seconds Irrigation by time or volume Fertilization capability
RANGE (Radius)	800m or 2,600ft
MANAGED VIA	
CONNECTION	LoRa
RESISTANT	Waterproof (IP-68)
POWER SUPPLY	9V

TEMPUS-AG-PR

A waterproof battery-powered wireless irrigation device for pressure measurement.

DATA ACQUISITION	Pressure values
SENSOR CAPABILITY	Pressure up to 232 psi
RANGE (Radius)	800m or 2,600ft
MANAGED VIA	
CONNECTION	LoRa
RESISTANT	Waterproof (IP-68)
POWER SUPPLY	9V

TEMPUS-AG-MS4

A waterproof battery-powered wireless irrigation data acquisition device for a variety of sensors.

DATA ACQUISITION	3 sensors plus temperature
SENSOR CAPABILITY	Flowmeter, Rain sensor, Moisture sensor, Anemometer, Pnevsiometer, Air humidity sensor, Tensiometer, Temperature
RANGE (Radius)	800m or 2,600ft
MANAGED VIA	
CONNECTION	LoRa
RESISTANT	Waterproof (IP-68)
POWER SUPPLY	9V

TEMPUS-AG-4G

A solar powered (or wall connected) base station that connects all controllers and devices to the cloud.

POWER SUPPLY	(24VDC) (110-230V)
ASSOCIATE DEVICES	up to 25 AG-CT • AG-MV • AG-PR • AG-MS
RANGE (Radius)	800m or 2,600ft
MANAGED VIA	
CONNECTION	4G LoRa
RESISTANT	Waterproof housing

Option for TEMPUS-AG-MS1

EASY HARDWARE INSTALLATION

- No pedestal needed
- 9V battery facilitates installation
- Weather/water proof unit



TEMPUS-AG-MV

A waterproof battery-powered wireless irrigation controller capable of storing 200 start times from different AG-CT's. Ideal to control main valve.

INPUTS	1 main valve station
SENSOR CAPABILITY	Pressure Switch, Flow Meter
RANGE (Radius)	800m or 2,600ft
MANAGED VIA	
CONNECTION	LoRa
RESISTANT	Waterproof (IP-68)
POWER SUPPLY	9V

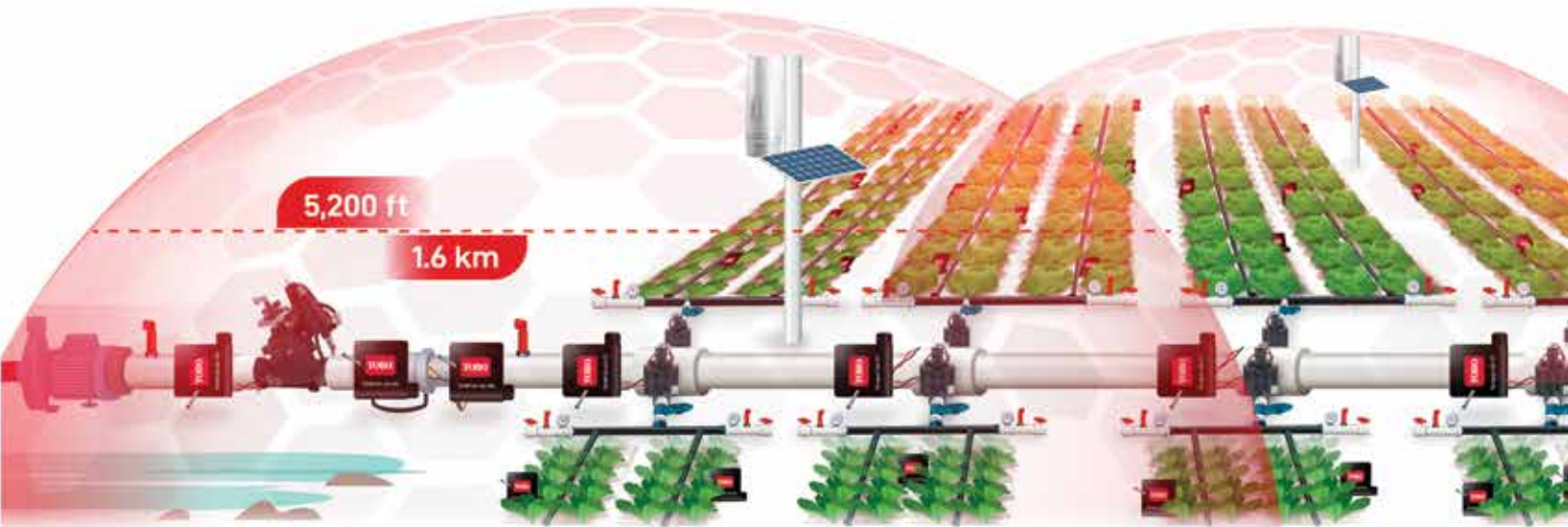


TEMPUS-AG-WF

A Wi-Fi Base station that connects all controllers and devices to the cloud.

POWER SUPPLY	(110-230V)
ASSOCIATE DEVICES	up to 30 AG-CT • AG-MV • AG-PR • AG-MS
RANGE (Radius)	800m or 2,600ft Extended antenna as an option
MANAGED VIA	
CONNECTION	Wi-Fi LoRa

Modular system that grows with your needs.



**NO BASE STATION,
JUST SMART PHONE**



**WI-FI
BASE STATION**



MULTIPLE BASE STATIONS

PROs

- Cost effective (no data plan)
- Build confidence on Automation
- Automation of valves

CONs

- No LoRA bubble, thus no system automation
- No sensor feedback to platform
- Walk to controller to change the program

PROs

- Cost effective (no data plan)
- Build confidence on Automation
- LoRA bubble for system Automation

CONs

- Small system
- Limited to Wi-Fi location availability

PROs

- Full Automation
- Mix of 4G and Wi-Fi base stations ok
- "Unlimited" range (many bubbles)

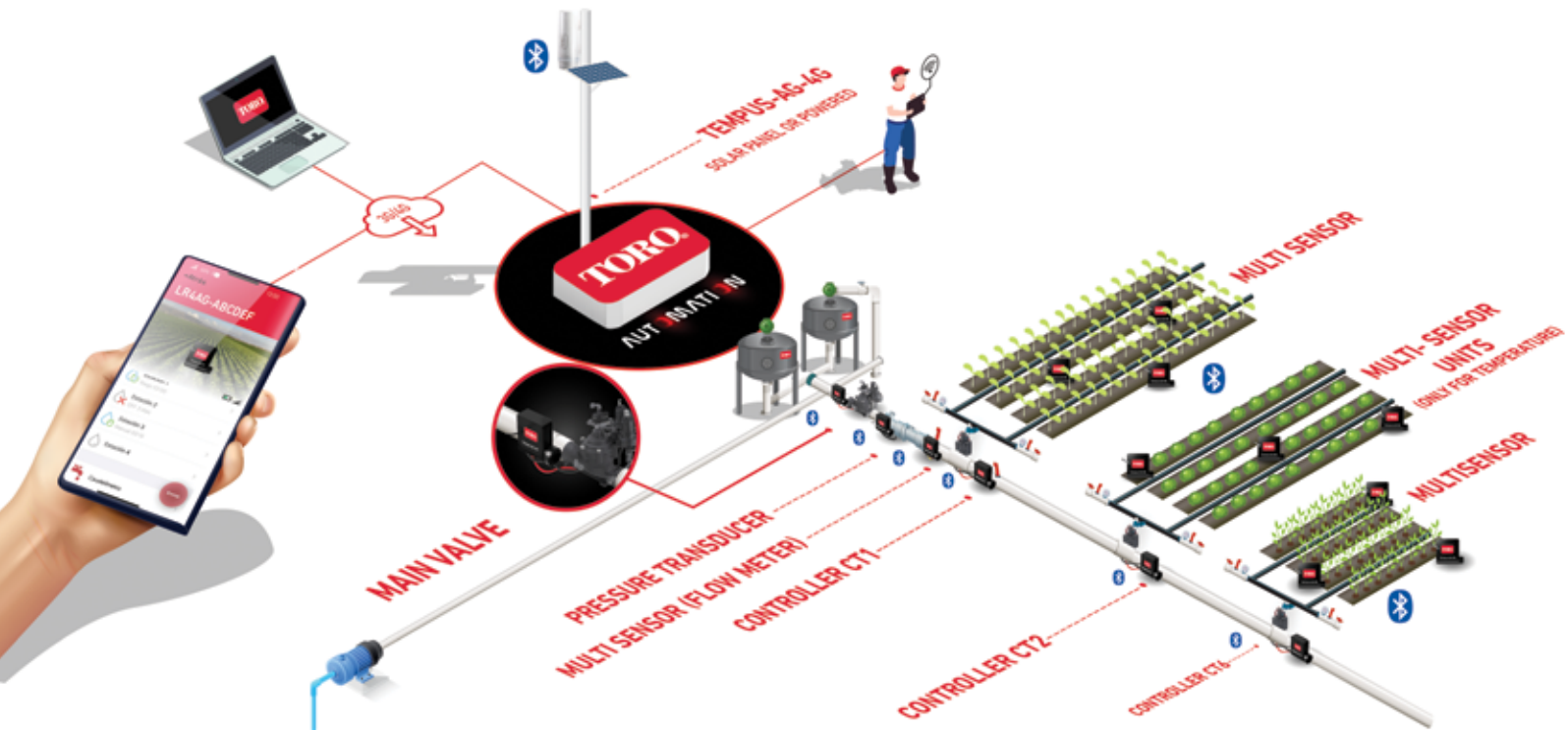
CONs

- NA



Full control of your field from the palm of your hand.

TORO SOLUTION: SAVINGS IN TIME, LABOR AND MONEY



DATA PLAN

- **ONE FLAT FEE FOR ALL YOUR NEEDS**

Option 1: communication every hour 

Option 2: communication every 15 minutes 

- **STILL THE SAME FLAT FEE IF SENSORS ARE ADDED, AS MANY AS YOU WANT**



- **FEE IS BASED ON NUMBER OF 4G BASE STATIONS**

1 SIM card per 4G base station → 

← There is no fee for a wi-fi base station (no SIM Card) 

- **One more thing:** Plan also includes manual commands and system synchronization inquiries embedded in the flat fee*

* Usage policy in place for more than 365 inquiries in a year, otherwise no additional charges

Note: Bluetooth commands do not count towards data plan usage

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