



Product ID: WiKeeper

Category: Irrigation Controller

WiKeeper is an irrigation controller with cellular connectivity via GPRS, NB-IoT, LTE, or Cat1 bis. It enables remote monitoring and control through the **WiKeeper Cloud management platform**. The controller supports up to 60 irrigation sectors and 40 sequential programs.

* Up to 60 sectors when connected to a **WiKeeper Expansion** module.

TECHNICAL SPECIFICATIONS

Power supply	24 VAC / 5 A
Communications	GPRS / NB-IoT or Cat 1 bis*
Data transmission protocol	MQTT/JSON
Reading frequency	2 to 1440 minutes
Communication interval	Always connected or from 5 to 1440 minutes
Outputs	30 × 24 VAC outputs (expandable to 60 with WiKeeper Expansion; max. 500 mA per output)
Analog inputs	4 analog inputs (0-0.5 V, 0-1 V, 0-2.5 V, 0-5 V, 0-10 V, 4-20 mA)
Digital inputs	4 digital inputs (potential-free) for pulse counters or general purpose
SDI-12	1 SDI-12 port with management of up to 16 probes (16 addresses)
Additional ports	1 communication port for WiKeeper expansion
Sensors	1 integrated temperature sensor
Manual start buttons	2 (4 with WiKeeper Expansion) for manual start of the program associated with it
Memory	4 MB of non-volatile memory for data and firmware storage
Local control	Manual opening/closing of the 30 sectors, using integrated selectors
Configuration	Basic setup via USB port and desktop application

Firmware update	Via FOTA
Consumption	200 mA, excluding solenoid current consumption
Additional features	The ability to monitor output power consumption, as well as set current limits or the number of outputs active simultaneously. Optional: activate a power cutoff for the outputs if any of the limits are reached.

* Cat1 bis will be available soon.

ENVIRONMENTAL CONDITIONS

Operating temperature	-20 a 65°C
Humidity	5 to 95% (non-condensing)

ORDER INFORMATION

Minimum order quantity	1
Order reference	WiKeeper

MECHANICAL FEATURES

Dimensions	270 x 170 x 110 mm (W/H/D)
Enclosure material	ABS
Mounting type	Surface mounting
Weight without transformer	0,95 kg
Weight with transformer	2.95 kg
IP rating	IP: IP67

CERTIFICATES AND DECLARATIONS

Standards	UNE-EN 55032:2016+AC:2016-07+A11:2020+A1:2021 Class B UNE-EN 55035:2017+A11:2020 UNE-EN 301 489-1 v2.2.3 (2020-01-01) UNE-EN 301 489-3 v2.1.1 (01-05-2019) UNE-EN 301 489-7 v1.3.1 (01-12-2014) UNE-EN 301 489-17 v3.2.4 (01-11-2020)
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RoHS (2011/65/EU)
EMC (2014/30/EU)
RED (2014/53/EU)