



Product ID: IPex30G

Category: Irrigation Programmer

The IPex30 is an irrigation controller connected to a platform using mobile wireless technologies such as GPRS, LTE-CatM, NB-IoT, or LTE-Cat1bis, allowing it to be operated remotely via the WiCloud management platform. It can manage up to 60 sectors governed by 40 sequential programs, with the capacity to handle up to 60 sectors per program.

* Requires an IPex30E to expand to up to 60 sectors.

TECHNICAL SPECIFICATIONS

Power Supply	24V AC/5A
Communications	GPRS/NB-IoT or Cat1 bis*
Data transmission protocol	MQTT/JSON
Reading Interval	2 to 1440 minutes
Communication Interval	Always connected or every 5 to 1,440 minutes
Outputs	30 24 VAC outputs (expandable to 60 with IPex30E) (max. 500mA 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 potential-free digital inputs for pulse counting or general-purpose use
SDI-12	1 SDI-12 port supporting up to 16 probes (16 addresses)
Additional ports	1 communication port for IPex30E
Sensors	1 integrated temperature sensor
Manual Start Push Buttons	2 (4 with IPex30E) for manually starting the associated program
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 consumption
Other 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 to 65°C
Humidity	5 to 95% (non-condensing)

ORDER INFORMATION

Minimum order quantity	1
Order reference	IPex30G

MECHANICAL SPECIFICATIONS

Dimensions	270 x 170 x 110 mm (W/H/D)
Enclosure Material	ABS
Surface- mounted	Superficial

Weight without transformer 0,95 Kg

Weight with transformer 1.95 Kg

Ingress Protection Rating	IP: IP67
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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)