IPex30G

Product ID: IPex30G
Category: Irrigation programmer

The IPex30G is a platform-connected irrigation controller using mobile wireless technologies such as GPRS, LTE Cat1, or NB-IoT, allowing it to be operated remotely through the WiCloud management platform. It can manage up to 60* sectors governed by 40 sequential programs, with the capacity to handle up to 64 sectors per program.

* 60 sectors connecting an IPex30E.

TECHNICAL SPECIFICATIONS

Feeding	24VAC/5A
Communications	GPRS/NB-IoT o Cat1 bits*
Data sending protocol	MQTT/JSON
Reading frequency	2 to 1440 minutes
Communication frequency	Always connected or 5 to 1440 minutes
Departures	30 24VAC outputs (expandable to 60 with IPex30E)
Analog inputs	4 Analog Inputs (0-0.5V, 0-1V, 0-2.5V, 0-5V, 0-10V, 4-20mA)
Digital tickets	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 Communications port for IPex30E
Sensors	1 Integrated temperature sensor
Manual start push buttons	2 (4 with IPex30E) for manual start of the program associated with it
Memory	4MB of non-volatile memory for data storage and firmware
Control local	Manual opening/closing of the 30 sectors, using integrated selectors
Configuration	Basic configuration via USB port and desktop application

OdinS

Firmware Update	Via FOTA
Consumption	200mA without counting solenoid consumption
Others	The ability to monitor output power consumption, as well as set current limits or the number of simultaneously active outputs. Optional: to activate a power cutoff for the outputs if any of the limits are reached.

* Cat1 bits will be available soon.

ENVIRONMENTAL CONDITIONS

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

ORDER INFORMATION

Minimum order quantity	1
Order reference	IPex30G

CONSTRUCTION CHARACTERISTICS

Dimensions	270x170x110mm (W/H/D)
Surrounding material	Polycarbonate
Mounting type	Superficial
Degree of protection	IP: IP67

CERTIFICATES AND STATEMENTS

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 (2019-05-01) UNE-EN 301 489-7 v1.3.1 (2014-12-01) UNE-EN 301 489-17 v3.2.4 (2020-11-01)

RoHS compliant

RoHS (2011/65/EU)
EMC (2014/30/EU)
RED (2014/53/EU)