



RFO ICS816 (Irrigation Control System for water management systems)



Product name		RFO ICS816
General Specifications		
<p>The RFO ICS816 is the new irrigation control system which after many studies and tests exceeds limitations of current systems.</p> <p>It is an automation equipment for irrigation enabling manual control and scheduled fertilizers, fertilizer agitators and filter cleaning. In this way It can be used for comprehensive management of a plot individually or jointly, or integrated within a remote network.</p> <p>It has pumping, fault detection and complete visualization of data. In addition to offering the ability to memorize and activate a large number of independent programs to take control of the irrigation system in different groups of outputs.</p> <p>All with high operational reliability. All models have 8 and 16 outputs latch type and the ability to select from 1 to 4 groups of outputs. the connection module GSM / GPRS, also it includes 4 analog inputs, up to 8 digital inputs and other integrated communications modules.</p>		
Technical Specifications		
I/O	Up to 4 configurable inputs (on request as digital or analog)	
Counter inputs	4 counter inputs	
Consumption counter	Possibility of 3 configurable rates totalizer counter and consumption, which are stored in nonvolatile memory.	
Solenoid outputs or hydrant	Groups of 16 outputs latch 2 or 3 wires, up to a total of 128 physical outputs per programmer.	
Communication WWAN	Quad band GSM850, GSM900, GSM1800, GSM1900	
Average power consumption	16 mA	
Display	LCD 2 x 20 characters	
Keyboard	16 keys	
Function presentation	Organized in hierarchical menus	
Power supply	Different power settings: <ul style="list-style-type: none"> • Solar collector + Solar regulator. • Rechargeable battery. • Battery not rechargeable. • Transformer to supply 230 Vac. • LED for reverse polarity connection indicator on the bus. 	
Average consumption in operation	15 μ A	
Autonomy Clock	72 hours	
Security	Automatic closure of all outputs open in case of power failure Alarm on missing pulses Alarm on undefined pulses Alarm at absence or short circuit in the solenoid	
Mesurements	Instantaneous or averaged flow between a configurable number of pulses Supply voltage, generates alarm if less than 8V Internal temperature of the ICS	
Irrigation programs	Sequential for holidays and labor days Individual	
Installation princip:	 	
Articel No:		RFO ICS816
Typical Applications:		
Water management agriculture	Big Parks & Gardens	
Water management industrial applications	Remote animal grazing	
Purifying plants	Also useful for any other application with control of liquides	
Greenhouse		
Golf areas		



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