

The gulf Irrigation Control Interface (ICI)

is an addition to a standard irrigation controller. The device offers wireless control of up to 12 zones plus an additional pump start unit. The ICI's inputs are simply connected to the outputs of the irrigation controller. The ICI monitors the signal levels and uses radio signaling to communicate changes to Gulf Valve Control Units (VCUs) in the field. The VCUs then open or close the appropriate solenoid valve according to the signal received.



Main Features

- Wireless control of up to 12 zones plus a remote Pump Control Unit (PCU).
- For control of 12-24 zones two ICIs can be combined together.
- Digitally encoded signal with multiple burst transmission is used to ensure signal integrity.
- Unique Factory Encoding – Each ICI is uniquely encoded at the factory to ensure that only the required VCUs and PCU are activated i.e. prevents interaction with neighbouring systems.
- Learn Mode – Utilises a very simple technique to “marry” together the ICI and VCUs without any setting of switches. Allows easy replacement of a VCU should the need arise.
- Range Test Mode – The ICI can be easily placed into Range Test mode allowing the installer to test reception on the Valve Control Unit (VCU) in the field.
- Simple LED indications are given indicating the current status of the system.
- Irrigation Scheduling is set on the 3rd-party irrigation controller – the ICI simply acts as a transparent wireless link.
- Signal Range can be extended with the use of a Gulf Repeater unit.

Radio Frequency Transmitter

- 315MHz or 433.92 MHz \pm 20kHz
- Range (line of sight) \pm 5 kms with standard rubber duck antenna (environmental conditions permitting).
- Range (line of sight) > 8 kms with external dipole antenna (environmental conditions permitting).
- BNC Connector coaxial cable connector



Power Supply

- 12-24V d.c or 24 V A.C. (no transformer – power must be made available from the irrigation controller).
- Max current consumption: 0.3 Amps
- Average current: 20 mA

Environment

- Housing is splashproof
- Operating Temperature –10 Celcius to +70 Celcius

Physical

- Dimensions of housing 157mm x 140mm x 60mm (not including antenna).
- Antenna length including BNC connector 162mm.
- Weight (including antenna) 430g.

Input Interface to Pump Control Unit

- 5V DC min to 24V DC max.
- 24V AC \pm 2V
- Maximum current consumption per input: 1.2 mA

NOTE – Due to continuous improvements and developments the manufacturer reserves the right to change without prior notice any of the above-mentioned properties of the product.