

Gator

Persistent Point to Point Radio System for switching

The **Gator Point to Point Radio Modules** allows for the remote switching of up to two independent input / output (I/O) channels. The Transmitter is equipped with two digital inputs which can be connected to any switching device such as simple switch, electrical contactor / relay, float switch, etc. When an input is triggered on the transmitter it will broadcast a radio signal containing the input status.

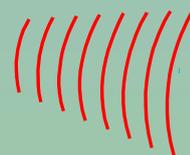
One or more Gator G5 radio receiver modules can be installed at the device location/s to be remotely controlled. Each Gator G5 radio receiver can handle up to 2 outputs corresponding to the inputs on the transmitter. On receipt of the broadcast signal from the transmitter the G5 receiver module will activate or de-activate the corresponding output thus switching the remote device on or off.

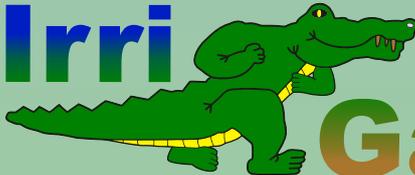
Useful in many irrigation and water automation applications such as -

- Starting and stopping of remotely located primary / booster pumps.
- Opening and closing of remotely located supply valves.
- Remote control of valves in applications such as reservoir filling.

MAIN FEATURES

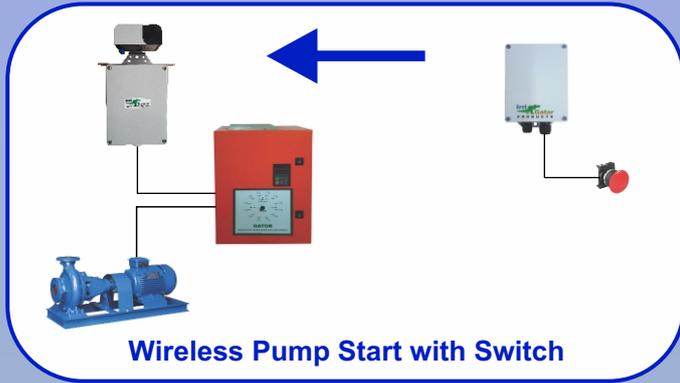
- Supports 2 I/O channels per transmitter, with a range of up to 5 kilometres line of sight with standard antennae.
- Used for starting / stopping of pumps, valves or similar applications.
- The transmitter module requires a 12VDC power source which can be powered from AC mains using a small power supply (with or without battery backup) or a solar (PV) power supply for areas where there is no grid power.
- The receiver module is powered by a long life Lithium battery omitting the need for any external power source. The receiver module makes use of magnetic latch relays (for electrical control) or magnetic latch solenoids (for hydraulic control)
- Multiple receiver modules can be installed in the system to activate their outputs simultaneously. For example if output 1 is triggered on the transmitter this will be broadcast and received by numerous receivers which will all switch simultaneously.



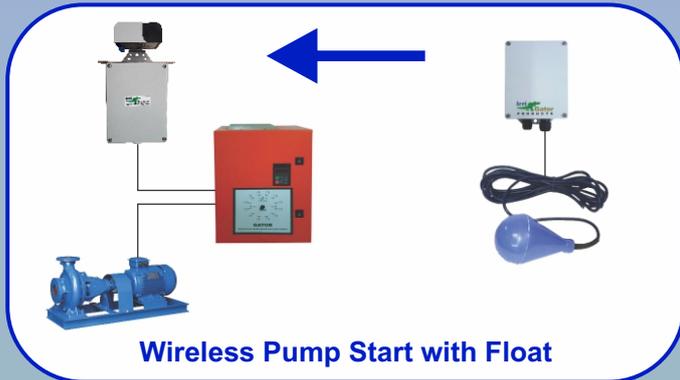
Irri  **Gator**
PRODUCTS

Our business puts you in control!

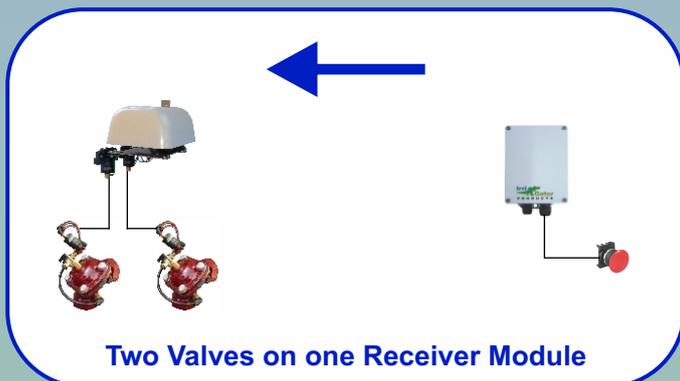
TYPICAL APPLICATIONS



Wireless remote control of pumps or other electrical devices that can be achieved automatically using an irrigation controller or manually using a simple switch. Up to two pumps or devices can be remotely controlled from the same transmitter module. Up to two pumps or devices can also be controlled from a common receiver module.



Wireless remote control of pumps and valves making use of a float switch (or similar device) suspended in a reservoir / tank allowing the activation or deactivation of the pump/valve based on the water level. In instances where AC power is unavailable at the transmitter it is possible to provide a solar (PV) power source with battery backup functionality.

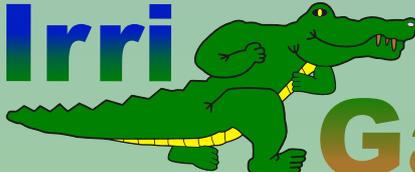


Wireless remote control of valves that can be achieved automatically using an irrigation controller or manually using a simple switch. Up to two valves can be remotely controlled from the same transmitter module. Up to two valves can also be controlled from a common receiver module.



Multiple receivers can be installed at different locations but will react simultaneously to the common broadcasted transmission. If digital input 1 is activated at the transmitter, output 1 on all the receiver modules will be activated

It's all in the name!!!

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P R O D U C T S