

SRI - RTU

SRI – Smart Remote Irrigation is a unique radio control systems. The SRI RTU System includes Remote Terminal Units (RTUs), Radio and Software which provide continuous wireless monitoring, control and long distance communication abilities. This modular system provides reliable and consistent results which allow integration with the PLC - Spirit Pro Controller and GreenLine HMI Software. Each unit can act as a repeater which provides the ability to overcome obstacles in the field to allow commands and information to be sent across great distances.

OVERVIEW

The SRI is a sophisticated field unit for operating of 1 to 12 DC latch solenoids.

The SRI can read various sensors digital and analogue inputs (4-20mA).

The SRI RF capability enables reliable, low energy, long distance communication with the main system controller by using state of the art Mesh communication.

The SRI is powered from miniature integrated solar panel and rechargeable battery.

MAIN CHARACTERISTICS

- Up to 12 latch 2 or 3 wires solenoid outputs
- Solenoid fault detection by unique solenoid analysis algorithm
- Up to 10 digital inputs 4 analog inputs (4-20mA)
- Long battery life without solar charging & optional standards alkaline D size (for the small and medium SRI units)
- Sealed enclosure IP66
- Worldwide unlicensed ISM bands
- Ultra-low power consumption
- Long range transmitting distance
- Self-network registration
- Any RTU can function as repeater without any configuration or registration
- For increasing range and overcoming surface obstacles – economical radio repeaters are available.



The SRI is available in three models:

SRI 2

- 2 Outputs
- 2 Digital inputs



SRI 4

- 4 Outputs
- 4 Digital inputs



SRI XL

- 6 or 12 Outputs
- 4 or 10 Digital inputs
- 4 Analog inputs



Wireless Mesh communication network

