



SR123™

RF DATA INTERFACE

radio modem
for machine to machine
applications



14 Digital Inputs
6 Digital Outputs
Industrial Tough

The SR123™ is a digital RF data interface for use in M2M applications. This radio modem can be used as a standalone unit or as an integral part of a complete system. The unique radio interface of the SR123™ makes the modem compatible with all two-way radios, cell modems and other wireless forms of communication.

SR123™ Specifications

GPS	12 channel receiver
Storage interface	MMC/SD socket
Serial interface	RS-232 serial communication port
Radio interface	Two-way radio modem connection
Inputs	14 digital input signals
Outputs	6 digital outputs
Visual indicators	4 visible LED indicators: RUN - GPS - RX - TX
Operating temp.	-30° to +180°F - built-in sensor reports ambient temp. of modem
Shock tolerance	300G's
Warranty	3 years - 5 year extended available

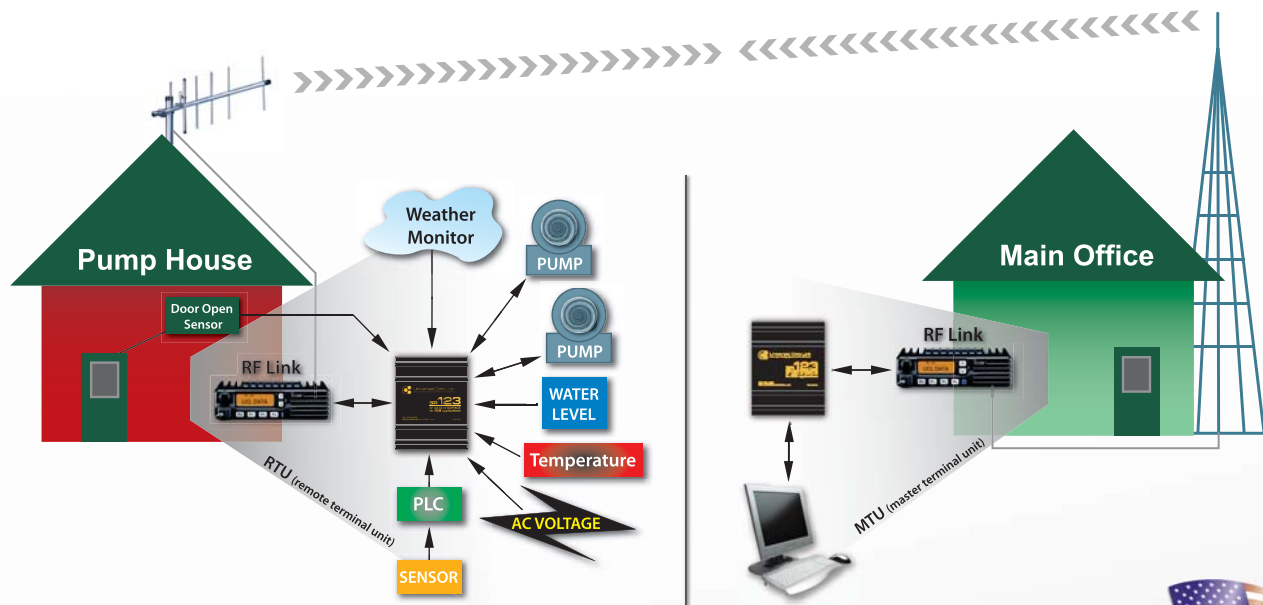
Features

14 digital inputs to monitor all kinds of vehicle activity, inputs can be defined to be low or high asserted and critical or nominal. Critical inputs report changes immediately.

6 digital outputs to perform any required control operation consisting of relay drivers that drive any 12-volt relay.

Highly compressed GPS data that allows every two minutes (settable) points compressed 6 to a buffer and multiple buffers can be sent in a single transmission saving radio air time.

Radio messages as well as BLACK-BOX data (which is one per second GPS points) are recorded to the 1Gig SD card. It can record data for five years under normal operations before wrap-around.



Example of SR123 using RF link. Link options include cellular, WiFi, WiMAX, satellite or other options.



Industrial Tough

Housed in a rugged extruded aluminum case, the SR121™ and SR123™ are built for dependability and long life - designed to withstand the temperature fluctuations and heavy vibration of harsh industrial and mobile operations. All solid state construction - no moving parts to fail. Add to that an operating temperature of -30° to +180°F and you are looking at one tough little modem!

SR121™ for analog applications

The SR121™ has all the same great features of the SR123™ but is designed for analog applications.