



## CELLULAR SCADA SOLUTIONS

Data Flow Systems (DFS) is now offering cellular-based SCADA products. The RDP180-C Cellular RTU is a simple, effective and low cost solution for cellular-based remote monitoring and control. Secure (private tunnel) cellular networks provided by Verizon are utilized to deliver the data and alarms that you require 24/7/365. Alarm conditions are reported immediately via email, phone, and/or text message. All historical data is collected and stored for reporting, trending and analysis.



## YOU CHOOSE THE COST

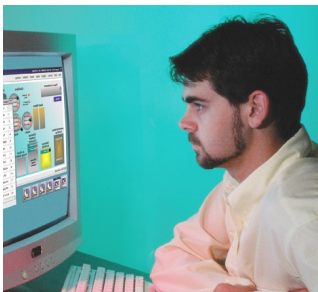
Unlike other companies that offer similar products and systems, DFS offers purchase and rental options.

- ◆ Purchase - The system hardware is purchased at a list price, and the user pays DFS a monthly fee for use of the Verizon private tunnel cellular network (on a per site basis). No contract required!
- ◆ Rental - The system hardware is provided at no cost, and the user pays DFS a fixed monthly service fee that includes the use of the Verizon private tunnel cellular network. An annual contract is required for this option, but the service fee is paid on a monthly basis.

## YOU OWN THE DATA

Other cellular SCADA companies use computer servers that they own or rent, often located in other states, to collect and store your system data. DFS provides a Hyper SCADA Server and HT4 SCADA Software program that is securely located at your facility. Your data is collected and stored at your facility, making it easily accessible onsite, over your internal network, and/or remotely via the Internet. The server incorporates an SQL database for compatibility with any 3rd party ODBC interface. The HT4 SCADA Software program includes default screens, canned reports, data trending, alarm auto-dialer, and much more.

## SIMPLE WEB-BASED INTERFACE



The system's HMI utilizes the familiar Internet Browser. It provides a graphical representation of status, alarm conditions, and a variety of reports are pre-configured that allow you to analyze the activity and performance of your monitored equipment. The reports gather and filter information based on user-adjustable parameters, and present the data in a meaningful form. A built-in trend viewer provides an additional examination tool.

## MOBILE ACCESS

Every cellular SCADA system includes the HT4 Mobile program at no-charge. Mobile requires a secure Internet connection, and provides the ability to access your data anywhere with a smartphone. Alarm conditions are perhaps the most important information that field personnel need. Once notified by the system's alarm auto-dialer or email notification, field personnel can use their smartphone to securely log into the system. From there they can acknowledge the alarm and begin to investigate the cause. An active alarm indicator is displayed at the top of every mobile screen.



## INSTALLATION BY END-USER IS SIMPLE

Although DFS installation services can be purchased, the RDP180-C RTU is designed to simplify installation by the end-user. Only minimal electrical experience is necessary. The RDP180-C Cellular RTU I/O points are prewired to terminal hardware and numbered wires. The end-user simply supplies 120VAC RTU power and the appropriate voltage from the monitored/controlled equipment.

### Base-Model Specifications

*(contact factory for I/O expansion options)*

#### RDP180-C Cellular RTU

##### Enclosure:

W 15.50" x H 13.28" x D 7.69"  
NEMA 4X Rated Non-Metallic  
Hinged with Locking Hasp

##### Input / Output Schedule:

- (1) RTU Power Monitor (Interposing Relay)
- (8) Discrete Input (Interposing Relay)
- (2) Discrete Output (Dry Contacts)
- (1) Analog Input (0-5VDC or 4-20A)

##### Interposing Relay Options:

120V AC, 24V AC/DC, or 12V DC

##### Supply Power:

120VAC (Includes 10A breaker)

##### Integrated UPS:

1.2Ah Backup Battery

##### Temperature:

32° to 140° F (0° to 60° C)

##### Standard Antenna:

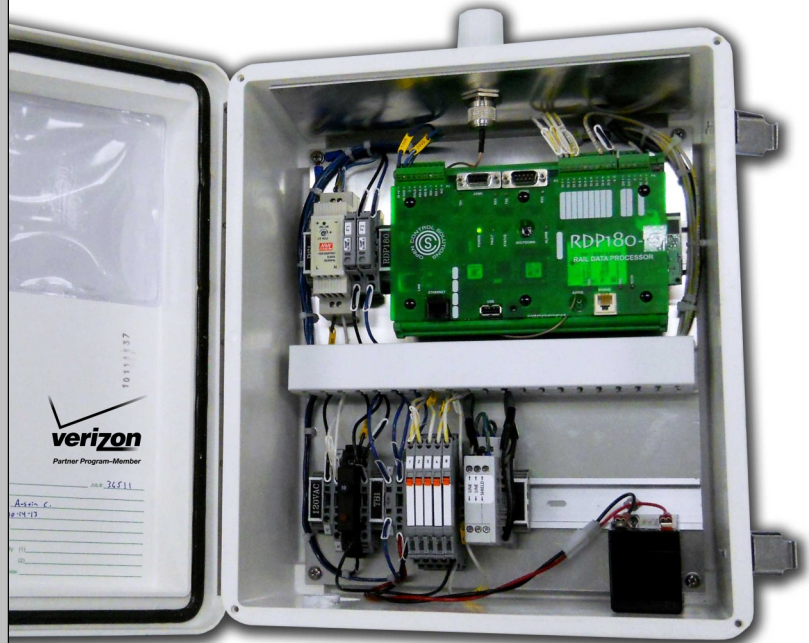
Laird TRAB821/18503P  
(weak signal may require upgrade)

##### Product Warranty:

Three (3) Years—Parts and Workmanship

##### Cellular Network

Private Tunnel by Verizon Wireless



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