



Cellular Communications Options 8111-7000



Users of Sutron 8210 systems can combine the speech and data modules with the convenience of cellular communications.

- Easy to use and flexible packaging solutions for all cellular needs
- Listen to recorded or live data
- Change programming options
- Enable or disable alarms
- Download data to a computer for analysis
- Consists of an RS-232 or RJ-11 cellular transceiver
- Can also be used to place or receive calls with the optional handset (see ordering guide)
- Support for alert and warning level dial out alarms is provided.
- Dual communications options: add a cellular package to an 8210 or 8200A that has LOS, telephone, or GOES telemetry.
- Power consumption is kept to a minimum by controlling the on-air time of the cell phone through Tiny Basic on the 8200A/8210 .
- Power to the cell phone is only applied when an alarm limit has been exceeded or the user has preprogrammed a dial-in window for supervisory purposes. (Can be powered constantly.)

Applications

- Flood warning
- Storm water runoff/water quality
- AGRIMET
- RAWS (Remote Automated Weather Stations)
- Process control and monitoring

Specifications

Specifications subject to change without notice

Power	Power 12VDC, negative ground 79mA average (15 minutes per hour, 1 data download per day, 20 sec typical) - 290mA quiescent to 1.65A active
Connector	8111-7000-1 RJ11C, RJ8 (handset) 8111-7000-2 DB-9 (RS-232), RJ8 (handset)
Size	8.5 in. x 3.5 in. x 2 in.
Temperature	-30 to +60°C

Ordering Information

Part Number	Description
8111-7000-1	Phone Module, Cellular for use with - 3014 models 8200A/8210 and 9000-0305
Accessories	
6661-1160	Programming handset, Cellular
8111-1068	Antenna, Yagi, 6db, Optional Cellular w/15 ft. cable and adapter

Helpful Hints

Cellular phones require more power than traditional telemetry. In order to provide a 15 day reserve, we recommend at least a 60Ah battery in conjunction with a 20W solar panel.

Enabling the extended talk time option on the phone is another way to conserve power. This reduces the output power of the transmitter to 0.6W instead of the normal 3.0W. An optional 6 dB gain antenna is available.

