

MONITOR SOLAR PANELS WITH WIRELESS GPRS/GSM TECHNOLOGY

- * THE SAME TECHNOLOGY AS YOUR CELL PHONE
- * MONITOR SOLAR OUTPUT OR BATTERY CONDITION
- * RECEIVE TEXT MESSAGE UNDER FAULT CONDITIONS

SOLAR PANELS IN REMOTE AREAS

Solar Panels are often the only means of providing power to remote areas where commercial power is hard to come by. Just as hard to find in that remote area is phone service. So determining the status of your equipment requires periodic trips to make sure everything is all right. Even though the reliability of Solar Panels is extremely good, there are components to any system that can fail. A float switch can get hung up or just wear out. A battery can be getting old. And failure comes just after you checked on it, and it was working fine.

GPRS/GSM

GPRS (General Packet Radio Service) is a packet oriented Mobile Data Service available to users of GSM (Global Systems for Mobile Communications). The Tbox is like a PLC for simple programming that uses cell phone technology to communicate with anyone's cell phone through text messages. You can use your personal computer's browser to determine its inputs (battery or solar voltage) or state of float switches. You can even change cell phone numbers even though it is thousands of miles away.

THE TBOX

The Tbox is a wireless alarm monitor that sends text messages on fault conditions. It is programmable so you can decide the fault condition and who receives the message. It has 4 digital inputs and 2 analog. It has 4 heavy duty output relays. It can call one phone or many.

SOLAR MODULE

The Solar module accepts the voltages from both a solar panel and a back up battery. The Tbox requires 24 VDC and the module limits the panel voltage. In addition, it convert the input voltages to 0-10 vdc in order to monitor their condition.

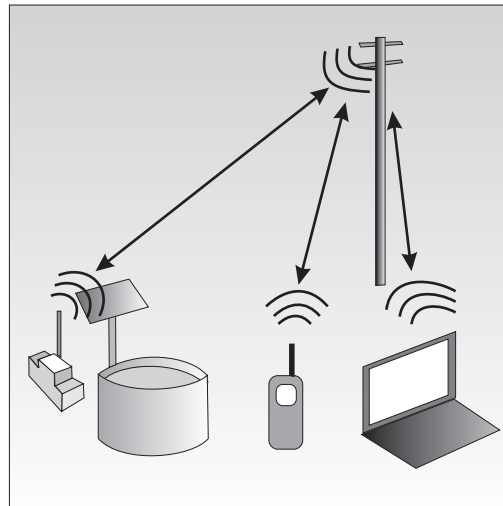
textMitter

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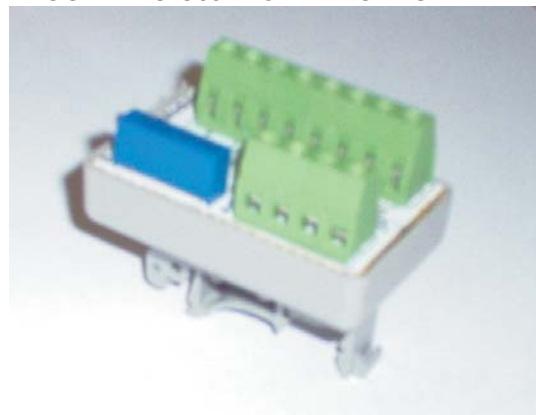
Solar Panels Provide Power In Remote Areas



GPRS/GSM Cell Phone Communication



Tbox Wireless Alarm Monitor



Solar Module