

## Auxiliary Power & Satellite Modem Unit

A.C.T. Part # ACT-AS104-023

### DESCRIPTION

The Alert Control Technologies Auxiliary Power & Satellite Modem Unit is an easy to install, all-in-one unit that provides additional functionality for pre-existing Alert Control Technologies products. When installed, the unit provides an external energy source via solar panel for recharging a battery, reliable satellite modem callout and monitoring functionality for remote locations, and 4 additional terminal inputs for field service hookup.

### FEATURES

- **Auxiliary Power** source via solar panel which charges a battery to provide continuous 12V power for units installed in remote locations
- **Satellite modem** enables the equipment owner to remotely monitor various metrics and provides callout capability when an alarm is triggered
- **Solar Power** provides an off the grid, virtually unlimited power source for recharging the included battery
- **Product Warranty** guarantees that all A.C.T. manufactured products are free from defects under normal operating conditions for 1 year from the purchase date

### WHAT'S INCLUDED

- Auxiliary Power & Satellite Modem Unit housed in a 14" x 12" Polycarbonate enclosure
- Satellite Modem (housed inside the Unit enclosure)
- 8AH sealed lead-acid 12VDC battery
- 5W Solar Panel Assembly with mounting bracket and power leads

### BATTERY SPECIFICATIONS

See included PDF.



## SOLAR PANEL SPECIFICATIONS

Max Power (Pmax)	5 Watt	10 Watt
Optimum Operating Voltage (Vmp)	17.1 Volts	17.1 Volts
Optimum Operating Current (Imp)	0.29 Amps	0.58 Amps
Open Circuit Voltage (Voc)	21.4 Volts	21.4 Volts
Short Circuit Voltage (Isc)	0.32 Amps	0.65 Amps

## MODEM SPECIFICATIONS

Operating Temperature	-40°C to +85°C
Input Voltage Range	9 - 32 Volts
From Terminal Comm. Freq.	1626.6-1660.5 MHz
To Terminal Comm. Freq.	1525 – 1559 MHz
Elevation Angle	20° to 90°
GPS Accuracy	4m

## POWER CONSUMPTION

Transmit Mode	0.75 A
(Nom. @ 12 VDC) Receive mode	45mW
Receive with GPS	60mA
Sleep	100 μW

