

Viatrx Command Series Product Features and Specifications

Power Source	External DC Voltage (9-30 VDC)
Communication	Wireless; 2G/3G Cellular Data
Coverage area	Worldwide Cellular Coverage
Telemetry Address	IP; Dynamic (static optional)
Configuration States	Multiple; Primary; Conditional or Contingency Event/Alert Driven
Battery Voltage Monitor	2 External
Wiring Harness	13 22AWG leads, 2 20AWG power leads See Harness Detail (below)
Harness Connection	20-pin Molex type
Geo-Location & Tracking	GPS
Antennas	Internal; GPS & Cellular
Logs	Permanent time-stamped logs of shore power, battery voltage (2), GPS location, temperature, security events, engine/generator hours.
Alerts	Independent alerts for logged activities and events.
I/O functionality	5 Digital Inputs, 3 Digital Outputs (200mA) 2 Analog Inputs, 1-Bit Bus
Mounting Location	Interior; Low Cost
Status LEDs	GPS and Cellular
Options	Shore power Sensor, Temperature Sensor Magnetic Door Switch, Motion Sensor Control Relay (12v and 24v)

Specifications:

Communication Modes:

- GSM/UMTS, HSDPA/EDGE/GPRS
- Packet data, UDP

GPS:

- 56 channel
- -162 dBm sensitivity
- <2m (CEP50)

Electrical:

- Operating voltage, 9-30 VDC
- <20 mA @ 12V sleep
- <70 mA avg. active
- Backup battery (Optional), 200mAh or 1000mAh

Certifications:

- FCC
- PTCRB
- Applicable carriers

Mechanical:

- Dimensions: 3.684" x 2.002" x .775" (94x53x20mm)
- Weight: 2.4 ounces
- Operating temp. -30°C to 75°C (-22°F to 167°F)
- Storage temp. -40°C to 85°C (-40°F to 185°F)



Typical harness detail:

Purpose	Description	PIN	Color	
Battery #1	To battery #1 (positive)	14	Red	
Ground	To ground	15	Black	
Battery #2	To battery #2 (positive)	5	Pink	
Engine/generator hours	To ignition (positive)	3	Blue	
Fresh water	To probes	7	Gray	
Black water	To probes	12	Orange	
Entry alert	To door or motion sensor (N.O.)	6	Violet	
Shore power (requires optional DC adapter)	To dc adapter positive lead	8	White	
	To dc adapter negative lead	16	Black	
Temperature (requires optional temperature sensor)	To temp. sensor: black	1	Black	
	To temp. sensor: yellow	17	White/Blue	
	To temp. sensor: red	9	White/Orange	
Control 1	Relay coil sink (200ma)	2	Green	
Control 2	Relay coil sink (200ma)	10	Brown	
Control 3	Relay coil sink (200ma)	11	Yellow	