

# Murphy CONNECT

## Plug-and-Play Telematics Unit

The Murphy CONNECT telematics unit provides simple and dependable communication power for PowerCore® controllers and panels. Murphy CONNECT is an easy, plug-and-play solution for rental fleets, agricultural and pump systems as well as other PowerCore controller and panel users wishing to automate or remotely monitor their engines. The IP67-rated telematics unit is built to survive all weather environments alongside PowerCore products with rugged protection from freezing temperatures, extreme heat, moisture and dust.

The unit is controlled from a cloud-based dashboard that provides secure access from a computer or mobile device and is designed to be easy to use. Users can monitor equipment locations using the built-in GPS and set alerts for when it moves, create reports based on an engine's usage, control or schedule engine functions and establish alarms or warnings to protect the engine. LTE cell technology provides worry-free data networking and allows you to stay connected from any location.

*LTE service required, initial 2-year service agreement included in purchase. For USA use only in this initial release.*

## Specifications

### Electrical

**Operating Voltage:** 9-36 VDC, reverse polarity protected

**Max Voltage:** -40 to +60 VDC

**Power Consumption:**

**12 VDC:**

**Transmitting:** 265mA

**Idle:** 135mA

**Off:** 0.5mA (Using IGN to turn off)

**On:** ~175mA Average

**24 VDC:**

**Transmitting:** 135mA

**Idle:** 90mA

**Off:** 0.5mA (Using IGN to turn off)

**On:** ~115mA Average

### Communications:

**CAN:** (1) J1939 (Future use)

**RS485:** Modbus RTU

**Wi-Fi:** 2.4GHz 802.11 b/g/n (Troubleshooting)

**Cellular:** LTE

**GPS:** Location Services

**Connection:** Amphenol AT06-08S

**Inputs (1):**

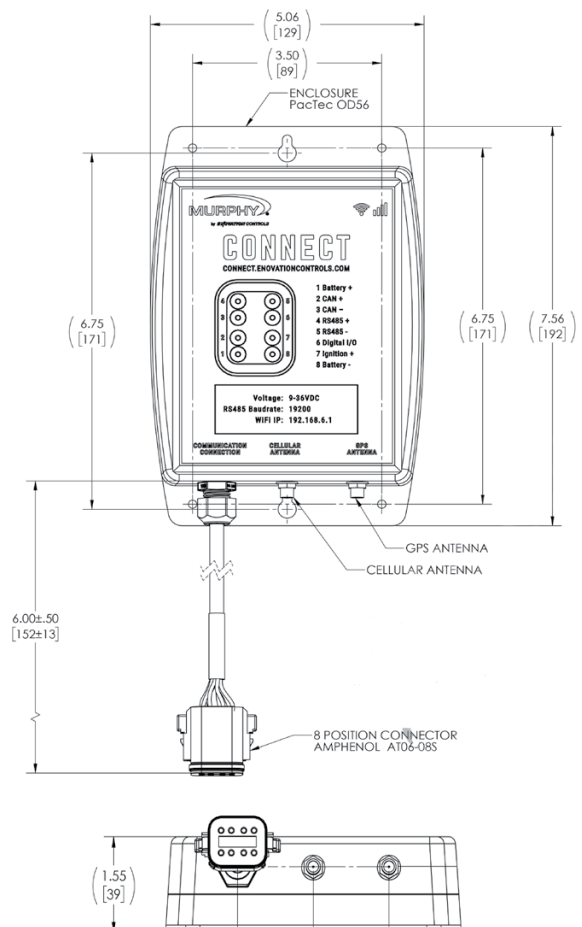
Digital: (Future use) [Shared with digital output]

**Outputs (1):**

Digital: (Future use) [Shared with digital input], protected



## Dimensions



## Specifications, cont.

---

---

### Environmental:

**Operating Temperature:** -30°C to +80°C (-22°F to +176°F)

**Storage Temperature:** -30°C to +80°C (-22°F to +176°F)

**Protection:** IP67

**Vibration:** Random vibration, 8.17 gRMS (5-2000 Hz), in 3 axes

Specification was met without the use of rubber isolation mounts

**Shock:** 25g in 3 axes

Specification was met without the use of rubber isolation mounts

## Connectors

---

---

Amphenol 8-pin Connector	
PIN	Function
1	Battery (+)
2	CAN +
3	CAN -
4	RS485 +
5	RS485 -
6	Digital I/O
7	Ignition +
8	Battery -

## How to Order

---

---

Part Number	Model/Description
40700525	Murphy CONNECT Telematics Module for use with PowerCore Controllers
40000665	36" CONNECT Harness from PowerCore Panel to CONNECT Module