RasTrac®

PT10
Installation Guide

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The PT10 is a cellular device that can be used for telematics application. The PT10 can be powered with a basic power-only connection (aka 2-wire). The PT10 can also monitor the ignition pin (3-wire installation).

The PT10 uses a single external interface. The interface is a 7-pin connector Molex Micro-Fit 3.0™ P/N 04365-00722.

The mating connector is the Molex 04645-0700.

Pinout

The pinout of the connector is specified is the following table:

PIN	FUNCTION	DETAILS / RANGE
1	UART TX	Accessories UART Transmit
2	UART RX	Accessories UART Receive
3	OUTPUT	Open Drain Output
4	INPUT 2	3 to 32V
5	INPUT 1	3 to 32V
6	POWER GND	0V
7	POWER IN	6 to 32V

The device should be powered from pins 6 and 7.

The device can use a 3 wire cable or an OBDII Y cable. Note that when using the OBDII cable option, there is no ignition detection and no connection to the vehicles computer. The OBDII cable simply powers the device.

LEDs

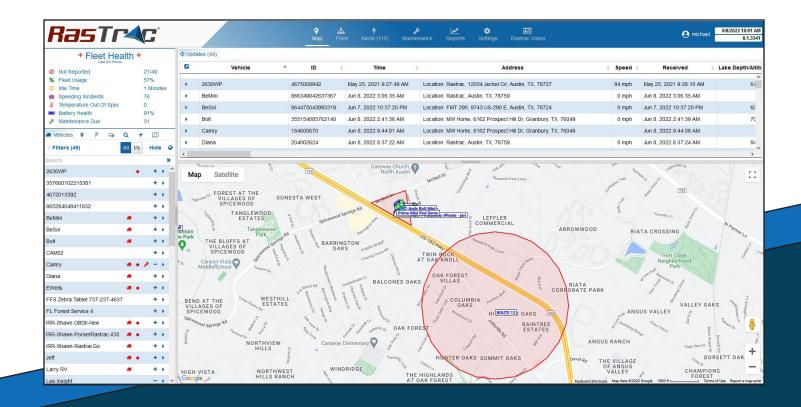The PT10 includes two LEDs : ORANGE and BLUE.

The following table summarizes the functionality of the ORANGE LED:

LED State	Meaning
Off	GPS power management engaged. GPS is turned off, GPS backup clock is ON.
Blinking	GPS is in acquisition mode
On	GPS signal is locked

Note: The GPS may go into power management mode for example when the PT10 detects that the vehicle is not moving.

The following table summarizes the functionality of the BLUE LED:

LED State	Meaning
Off	The cellular subsystem is off
One blink / 10s	The cellular subsystem is not searching
Two blinks / 10s	No SIM card detected
Fast blink	The cellular network has rejected the device
Slow blink	The cellular subsystem is searching
On	The cellular subsystem found a network

Log-in to your Rastrac account to verify that the units are installed and reporting correctly. It could take up to 15 minutes for the device to send in its initial report. Your current address and location should be displayed.

For any questions or help, contact Rastrac support at (512) 918-0700.