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PT30 User Manual

Introduction

The Pacific Track PT30 is an Electronic Logging Device (ELD) that can be used to implement the Federal Motor Carrier Safety Administration (FMCSA) Hours Of Service (HOS) requirements.

The PT30 includes 4 major functional blocks:

- A GPS receiver
- A CAN transceiver
- Memory Storage
- A Bluetooth Low Energy (BLE) transceiver

Interface

The PT30 includes a single 10-pin interface. The PT30 must be connected to the vehicle diagnostic port with the supplied cable. The diagnostic connector provides power (typically 12V) and connection into the vehicle CAN bus.

Bluetooth Low Energy

The Bluetooth Low Energy implements the Low Energy section of the Bluetooth 4.0 specification. The transceiver operates between 2402 MHz and 2480 MHz at a power of -4 dBm. The antenna is integrated on the Printed Circuit Board (PCB) of the PT30. There are no serviceable or adjustable parts inside the product. Any modification of the product will void the warranty.

OEM labeling responsibilities

The Pacific Track PT30 is certified by the FCC Rules and Regulations Part 15 subpart C. It is the responsibility of the OEM or integrator to include the following labeling text in the end user manual:

FCC ID: 2ALBDPT30

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference and*
- (2) this device must accept any interference received, including interference that may cause undesired operation.*

In addition, the following text shall also be part of the user manual:

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- * Reorient or relocate the receiving antenna.*
- * Increase the separation between the equipment and receiver.*
- * Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.*
- * Consult the dealer or an experienced radio/TV technician for help.*

In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.