

# 510-0300 PKE Module/Controller (Sealed)



TriMark's e-ASK systems consist of a selection of compatible components that allow for complete keyless entry for on and off-highway vehicle applications

## **DESIGNED FOR:**

- Sealed controller to work with TriMark's Passive Keyless Entry System
- Incorporation into TriMark mechanical latches and handles by providing keyless entry, security and convenience for access door systems through a RF remote fob electronics
- Integration to existing or independent SAE J1939 or other CAN based multiplexing buses
- SAE J1939 at 250K/500K/1M or RVC to enable communications with other modules
- Ability to "wake on CAN" messages allows power saving mode

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### FEATURES/BENEFITS:

- 12V DC (or 24V DC) operation
- Low Power consumption mode draws 4.5mA of electrical current in deep sleep mode
- SAE J1939 at 250K/500K/1M or RVC to enable communications with other modules
- Software adaptable to OEM specific requirements
- Ability to wake other vehicle controllers via CAN
- 4 configurable (High or Low) inputs
- 4 Low side outputs (500mA)
- 433 MHz Radio Frequency (RF) communication with key fobs (range up to 50m)
- Controller can sync with 50 different key fobs
- Ability to control more than 10 different functions via key fob (including CAN messages)
- 125 KHz Low Frequency (LF) communication with Fobs that enables passive entry, push to start, and immobilization functions
- Up to 2 exterior doors can utilize passive entry
- Up to 3 LF antennas can be utilized for fob detection. These are configurable and can be used for exterior for entry, or interior for immobilization
- LF/RF communication handshakes preventing security threats

### AVAILABLE:

- Sealed water resistant enclosure with high quality Deutsch connectors - (2) 12 pin connectors provides rugged and durable construction - compliant to on-road, off-road, and industrial environmental requirements

### USE WITH:

- TriMark 500-1300 e-ASK PKE System (Sealed)
- TriMark 530-0400 PKE e-FOB
- TriMark 590-1200 PKE Antenna
- TriMark Capacitive sense enabled products
- TriMark 550-0100 Power Lock Compact Actuator

### INSTALLATION:

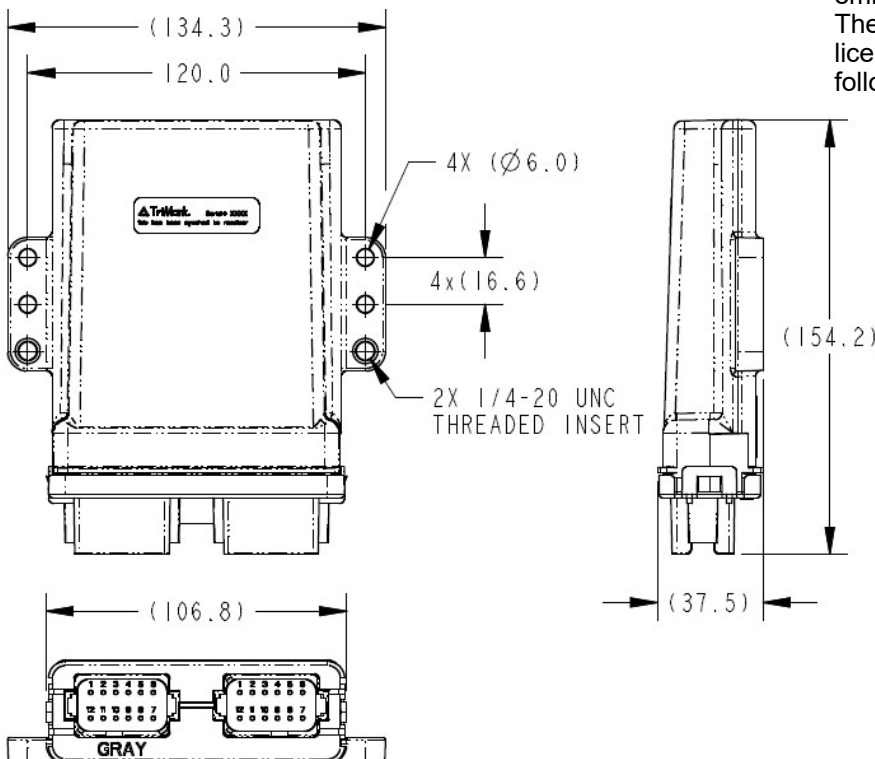
- I/O module is easily installed with (2) 1/4" or M6 screws (not included) and can be mounted in a variety of locations

**US Patent No. 8,350,669 / 8,976,014 / 10,385,594 / 10,909,785**

**U.S. Design Patent No. D907,589**

Individual part dimensions are for reference only. Refer to individual part drawings for complete dimensions, specifications, and installation procedures. Engineering assistance and application drawings are available.

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