

# Find the accessories you're looking for.



### TU700 Shield Mount

Made to protect the TU700 in harsh environments, adding an extra layer of protection.



# Trackunit TU700 Installation Guide



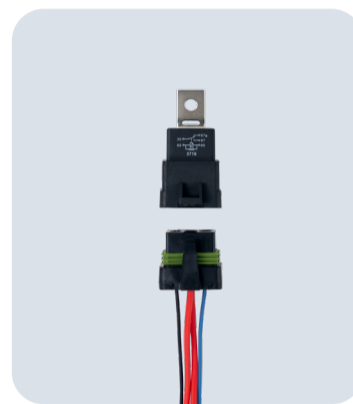
### RFID Card Reader

USB RFID card reader is a easy tool to activate K300 RFID card and DualID RFID card access for operators.



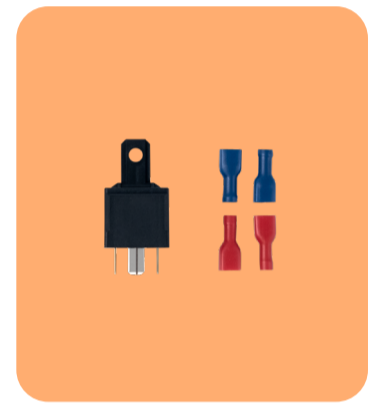
### Trackunit RFID Cards

The RFID card is an easy way to control access to your equipment through the K300 or DualID.



### Splash Proof Relay

Used when required, to interface the TU700 to specific machine wiring signals or controls.



### Standard Relays

Used when required, to interface the TU700 to specific machine wiring signals or controls.



### Ferrite

Designed and certified for use in Japan with TU600 and TU700 models.



### Power Cable

Versatile solutions to connect Trackunit Raw to any type of machine.



### Keypad Bracket

Made to protect the K300 and DualID II in harsh environments by adding an extra layer of protection.

**Help** is here. Whenever and however you need it.



### Help Center

Installation, activation, and onboarding info can be found at [helpcenter.trackunit.com](http://helpcenter.trackunit.com)



### Customer Success

Please reach out to our experienced support team at [support@trackunit.com](mailto:support@trackunit.com)



### Order

Already know what you need? Place your order at [trackunit.com](http://trackunit.com)

# Trackunit TU700

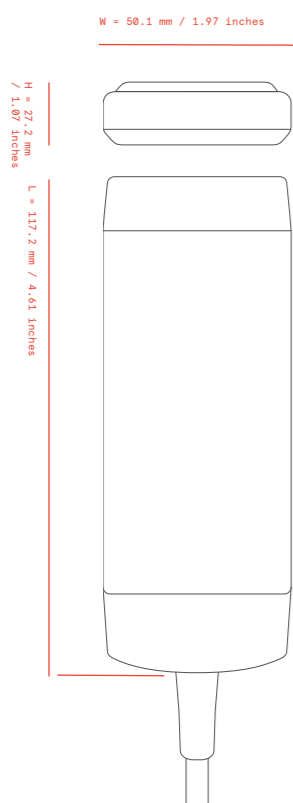
## The Different Ways of Connecting



### Device Harness Variants

Standard DTM12	
Standard DTM12 + MODBUS DTM4	

### Product Diagram



### Overview

The TU700 is a telematics device providing stable, secure, and reliable connectivity.

### Product Dimensions

- Length: 117.2 mm (4.61")
- Width: 50.1 mm (1.97") (with Cradle)
- Height: 27.2 mm (1.07") (with Cradle)
- Weight: 192 g (6.77 oz.) (w/ 0.5m cable and DTM12 Connector)

### Tech Specs

- Network: LTE-M1 w/ NB-IoT & 2G GSM Fallback
- Certification: CE, FCC, ISED
- GNSS: GPS, Galileo, Glonass, Beidou, QZSS
- Supply Voltage: 12 - 48 VDC
- Max. Voltage Range: 9 - 58 VDC
- Internal Battery: 3.6 V/800 mAh Li-ion
- Temperature Range: -20C to +60C/-4F to +140F
- Environmental Class: IP66, IP67, IP69
- CAN Support: J1939 / CAN Open
- Modbus Support: With Selected Wiring Harness
- Bluetooth 5.0 BLE

### Included

- TU700
- Mounting Cradle
- Selected Wiring Harness
- Fuseholder (only for flying leads versions) / 1A Fuse
- Installation & Safety Guides

## Pre-installation

# Before You Install



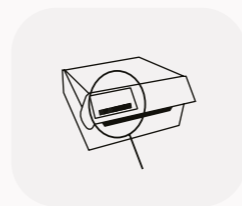
### Read Safety Guide

Read the Trackunit TU700 Safety Guide before installing.



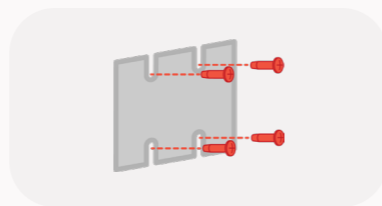
### Mounting Location

Mount Trackunit TU700 with the serial number facing outwards, so you do not obstruct the LED Indicator.



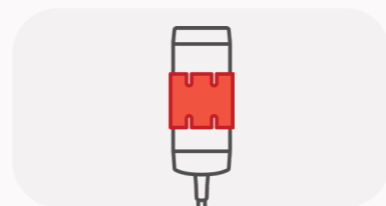
### Serial Number Location

Trackunit TU700's Serial Number and mobile number is located on the box's front.



### Mounting the Cradle

The included cradle allows the TU700 to be mounted on a flat surface. Insert four M4 screws through the mounting holes and into the mounting surface.

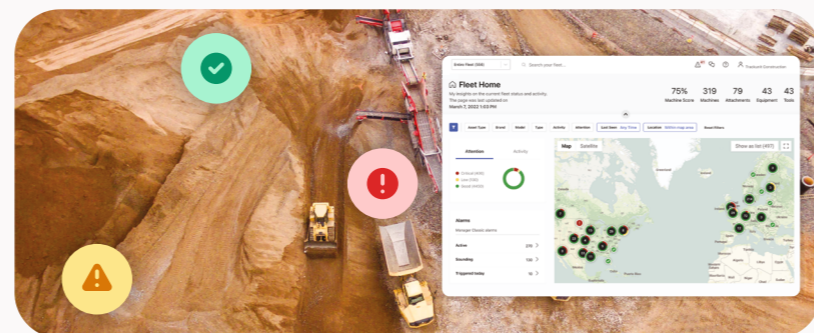


### Inserting the TU700

Once the cradle is firmly mounted onto a surface, the TU700 is able to firmly snap into place.

## Trackunit Manager

The TU700 is your direct link to Trackunit Manager. Trackunit Manager empowers fleet managers to boost efficiency, safety, and machine up-time. Get a complete view of everything you need - from high-level summaries to specific machine details.



### Installation Check and Update

Please visit [install.trackunit.com](https://install.trackunit.com) to register and verify your unit. Before verification, install and activate the Trackunit Raw in an area with strong GPS and mobile coverage.

## Installation

# Installation Guide

### Wiring Diagram with Access Control

Wire color	Description	Wire color	Description
Power	Connect to Machine battery through a fuse (Mandatory) <sup>1</sup>	Input 1	Connect to the Hour Counter (Mandatory) <sup>2/3</sup>
Ground	Connect to the Machine's ground (Mandatory)	Input 2	Connect to the ignition signal (Mandatory for vehicles and machines) <sup>2/3</sup>
CAN1 High	Connect to the Machine's CAN1 High (Mandatory if accessible)	Input 3	Optional Input. <sup>2/3</sup>
CAN1 Low	Connect to the Machine's CAN1 Low (Mandatory if accessible)	Input 4	Can be used for INFILT function. Optional input <sup>2/3</sup>
CAN2 High	Connect to the Machine's CAN2 High (via Modbus Harness)	Input 5	Optional Input. <sup>2/3</sup>
CAN2 Low	Connect to the Machine's CAN2 Low (via Modbus Harness)	Digital Output 1	Can be used to control a relay <sup>4/5</sup>
<b>Additional Wires with the Modbus Harness</b>			
Modbus / RS485A	Connect to the Machine's RS485A (Mandatory if accessible)	Input 6	Optional Input. <sup>2/3</sup>
Modbus / RS485B	Connect to the Machine's RS485B (Mandatory if accessible)		

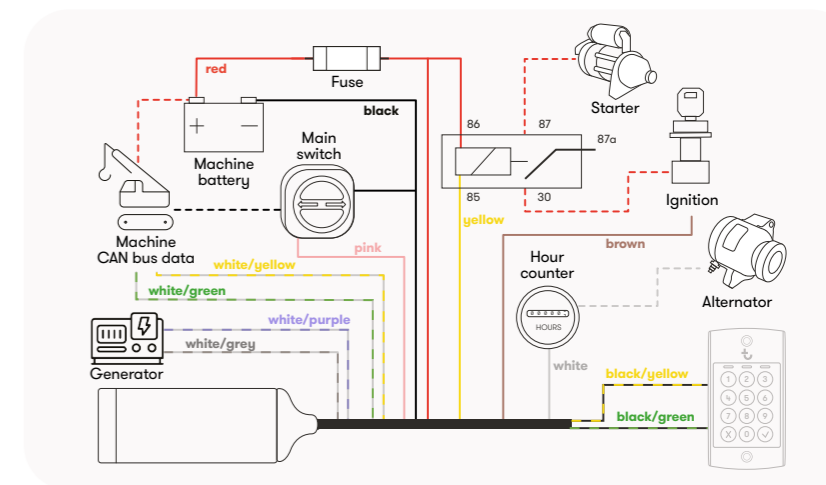
<sup>1</sup> Supply voltage range 12 - 48 V

<sup>3</sup> Max. Voltage: 58V

<sup>5</sup> Do NOT use this output to switch off vehicles and machines during operation or driving

<sup>2</sup> Active/high when min. 5V DC at Input

<sup>4</sup> Max. load 200 mA



### Functionality Check

Status	LED mode	LED color	Status indication
✓	Red flashing light and constant green light in LED		- Connectivity is OK (WiFi 1 sec. Cell. 2 sec.) - GPS has satellite position
✗	No light in LED		- No power supply and sleeping
✗	Constant red light and no green light in LED		- No mobile network - GPS HAS no satellite position
✗	Red flashing light and no green light in LED		- Connectivity is ok (WiFi 1 sec. Cell. 2 sec.) - GPS has no satellite position
✗	Constant red light and green light in LED		- No mobile network - GPS has satellite position