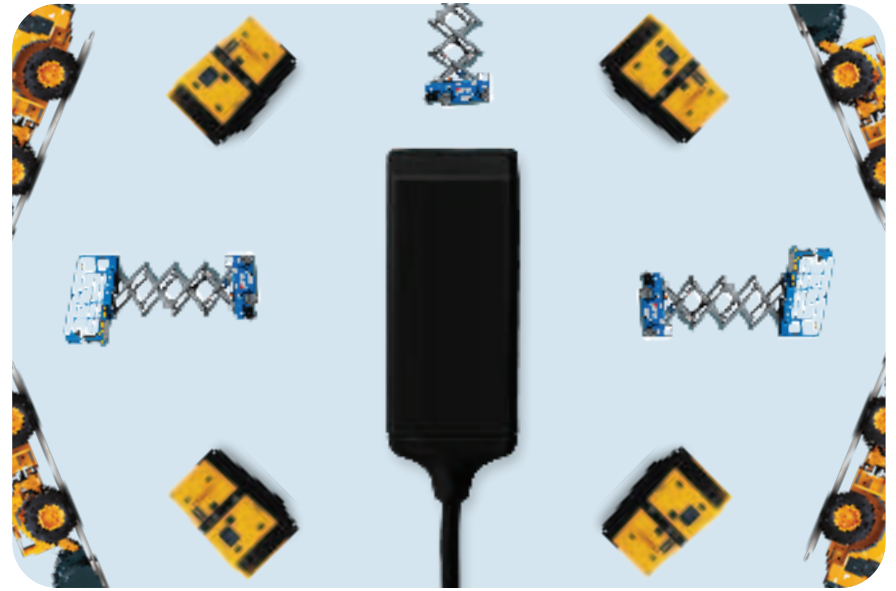


Find the **accessories** you're looking for.



TU700 Shield Mount

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

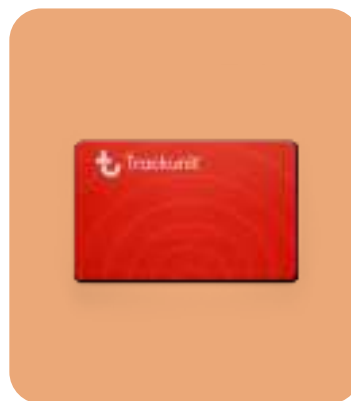


Trackunit **TU700** Installation Guide



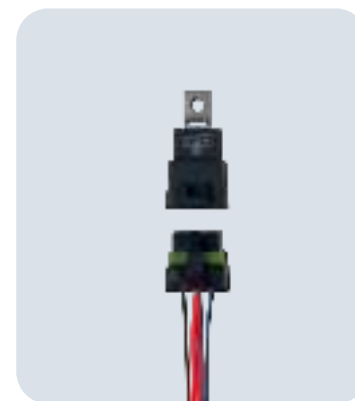
RFID Card Reader

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



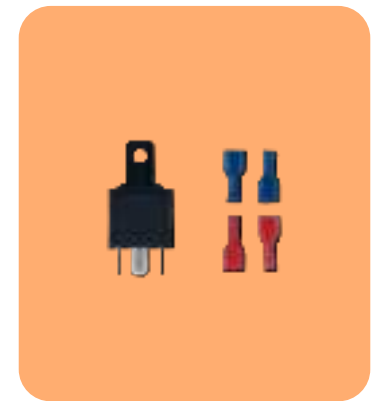
Trackunit RFID Cards

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 TU-501 and TU600-x 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



Customer Success

Please reach out to our experienced support team at support@trackunit.com



Order

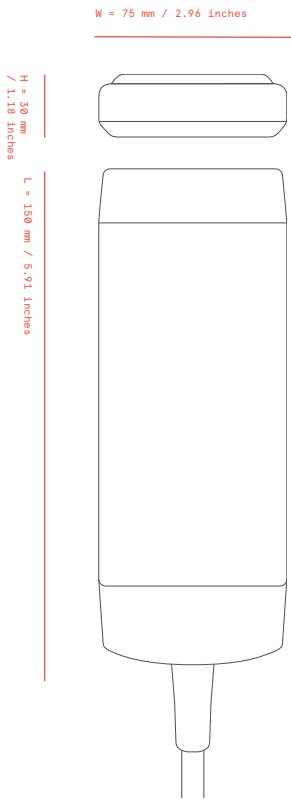
Already know what you need? Place your order at trackunit.com

Trackunit TU700

The Different Ways of Connecting

Standard DTM12	
Standard DTM12 + MODBUS DTM4	
Standard DTM12 with M8 for Access Control	
Flying Lead	

Product Diagram



Overview

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

Product Dimensions

- Length: 150 mm [5.91"]
- Width: 75 mm [2.95"]
- Height: 30 mm [1.18"]
- Weight: 150 g [5.29 oz.] (excl. cable)

Tech Specs

- Network: LTE-M1 w/ NB-IoT & 2G GSM Fallback
- Approvals: FCC, ISSED
- GPS: GPD, Galileo, Glonass, Beidou
- 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 free wire versions) / 1A Fuse
- Installation & Safety Guides

Compatible With



TU700 Shield Mount



Power Cable

Pre-installation

Before You Install



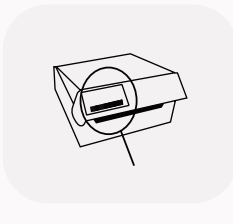
Read Safety Guide

Read the Trackunit TU700 Safety Guide before installing.



Mounting Location

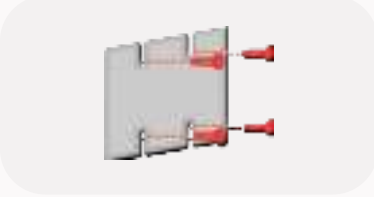
Mount Trackunit TU700 with the serial number facing outwards, so you do not obstruct the LED Indicator.



Serial Number Location

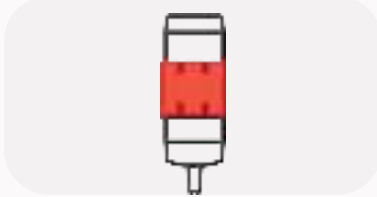
Trackunit TU700's Serial Number and mobile number is located on the box's front.

Note: The label can be peeled off and saved for later use.



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

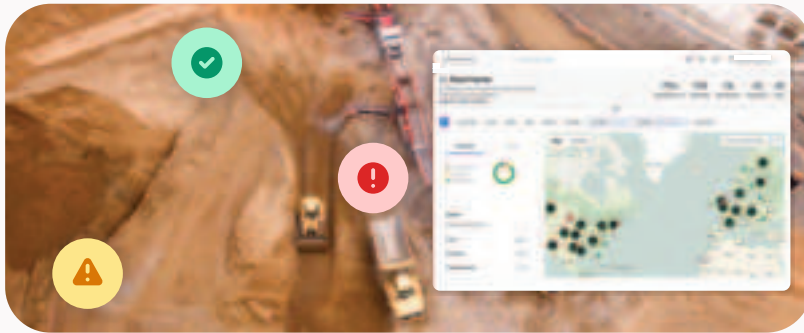


Inserting the TU700

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



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 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) ¹	Input 1	Connect to the Hour Counter (Mandatory) ^{2/3}
Ground	Connect to the Machine's ground (Mandatory)	Input 2	Connect to the ignition signal (Mandatory for vehicles and machines) ^{2/3}
CAN1 High	Connect to the Machine's CAN2 High (Mandatory if accessible)	Input 3	Optional Input. ^{2/3}
CAN1 Low	Connect to the Machine's CAN1 Low (Mandatory if accessible)	Input 4	Can be used for INFILT function. Optional input ^{2/3}
CAN2 High	Connect to the Machine's CAN2 High (Mandatory if accessible)	Input 5	Optional Input. ^{2/3}
CAN2 Low	Connect to the Machine's CAN2 Low (Mandatory if accessible)	Digital Output 1	Can be used to control a relay ^{4/5}
Additional Wires with the Modbus Harness			
Modbus / RS485A	Connect to the Machine's RS485A (Mandatory if accessible)	Input 6	Optional Input.
Modbus / RS485B	Connect to the Machine's RS485B (Mandatory if accessible)		

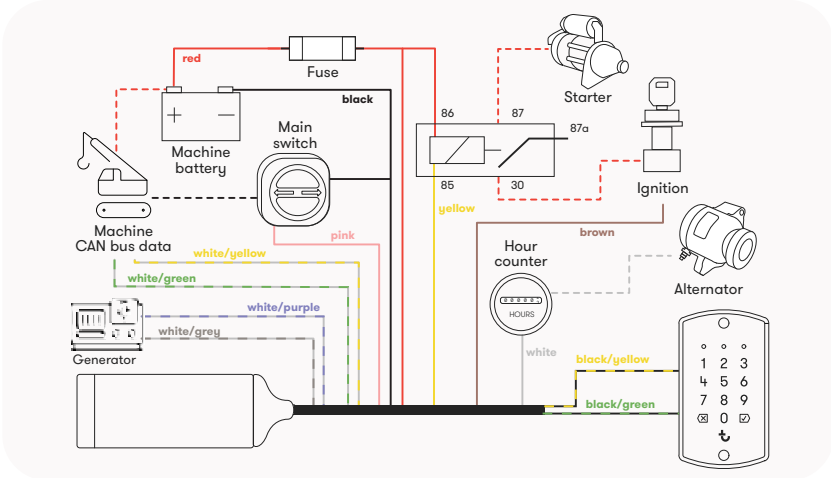
¹ Supply voltage range 12 - 48 V

³ Max. Voltage: 48V

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

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

⁴ Max. load 200 mA



Functionality Check

Status	LED mode	LED color	Status indication
✓	Red flashing light and constant green light in LED	••••• —	- Mobile network is OK - GPS has satellite position
✗	No light in LED		- No power supply
✗	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	•••••	- Mobile network is ok - GPS has no satellite position
✗	Constant red light and green light in LED	—	- No mobile network - GPS has satellite position
✗	Red & green LED fast changing flashes	••••• •••••	- Unit is in pre installation mode - No power supply