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Trackunit Pass K300 Installation Guide



Raw Shield Mount

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



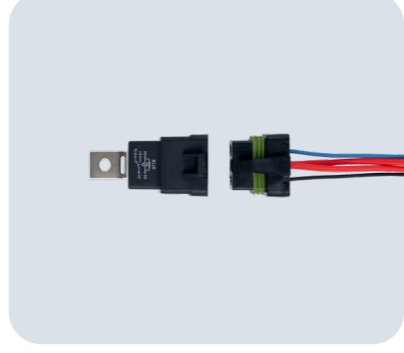
RFID Card Reader

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



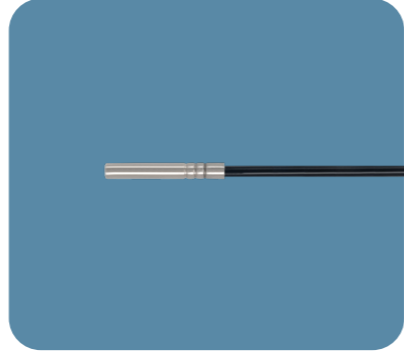
DualID Cards

The DualID RFID card is an easy way to control access to your equipment.



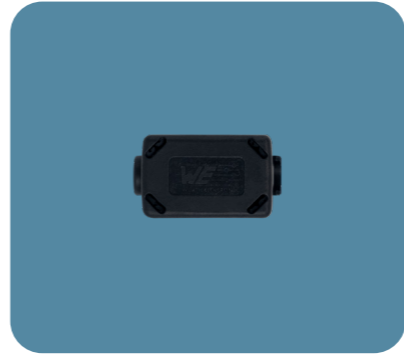
Splash Proof Relay

Used when required, to interface Trackunit Raw to specific machine wiring signals or controls.



Temperature Sensor

Connect to Raw to measure temperature conditions in your environment.



Ferrite

Designed and certified for use in Japan with TU-501 and TU600-x models.



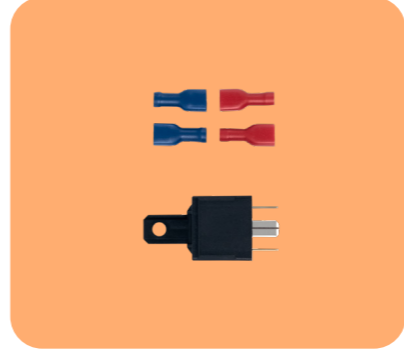
Power Cable

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



Keypad Bracket

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



Standard Relays

Used when required, to interface Trackunit Raw to specific machine wiring signals or controls.

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

Secure Equipment Means Safe Jobsites



Protect Equipment

Equipment is secured using access control, reducing unauthorized use of equipment.



Safety

Access Management secures working environments and increases job site safety.



Theft Protection

Access Management allows preauthorized personnel equipment access, minimizing theft.

Product Diagram

W = 65 mm / 2.56 inches

H = 15.6 mm / 0.61 inches

L = 118.0 mm / 4.65 inches



Overview

Trackunit Pass K300 solution is a powerful combination of fleet management and user authentication for machinery.

Product Dimensions

- Length: 118.0 mm (4.65")
- Width: 65.0 mm (2.56")
- Height: 15.6 mm (0.61")
- Weight: 210 g (7.4 oz) with cable

Tech Specs

- Approvals: CE, FCC, ISED
- Environmental Class: IP69
- Operating Temperature: -30°C to +70°C
- 3 to 16 Digit Numeric Pin Code
- RFID Reader 13.56 MHz
- Mifare
- Mifare DESFire EV1
- UV Class (ASTM D4329/D5870)

What's in the Box

- Pass K300
- 3m (9.8 ft) Cable w/ M8 Connector
- Mounting Kit
- Installation & Safety Guides

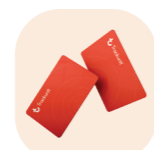
Compatible With



RFID Card Reader



Bracket



RFID Cards

Installing Pass K300



1. Mounting

Insert two M4 screws (5/32") through the mounting holes on the K300 and into the mounting surface. Use a flathead screwdriver to tighten the M4 screws being careful not to overtighten. The M4 screws must follow:
 Head diameter: 8.0mm Max / 7.0mm Min
 Head thickness: 4.0mm Max
 Thread size: 4.0mm Max / 3.5mm Min
 Length: 10.0mm Min



2. Connecting the Cable

Connect the M8 Connector on the 3m Cable to the M8 Connector on a Trackunit Raw wired to a Machine (for further information, refer to the wiring diagram in the Raw User Guide). Depending on your configuration, you can run the 3m Cable out the bottom or back of the K300.



3. (Optional) Drilling a Hole

Drill an 11 mm (.4") Hole in the mounting surface and pull the 3m Cable through the Hole.

Note: Trackunit is not responsible for any (product, equipment, or installer) damage during the installation process.

User Guide

Assigning Users

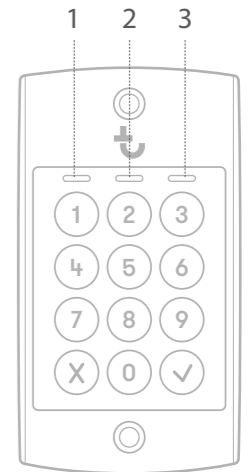
Use Trackunit Manager to enable Access Control on a Machine and assign control keys to certified users. Refer to helpcenter.trackunit.com

Using the Keypad

1. Enter the Pin Code on the Key Pad.
2. Select the Confirm button .
3. The Approval ID LED (2) will flash green, indicating a valid Pin Code.

Using RFID Card

1. Place the RFID Card over the RFID Card Reader area (indicated by the outline over the Keypad).
2. An audible beep indicates a valid card input.
3. The Approval ID LED (2) will flash green, authorizing the RFID Card.



Cancelling Authorization

1. To cancel an authorization attempt, select the Cancel button .
2. The Cancelled ID LED (3) will flash red, indicating that the input is cancelled.
3. Wait 10 seconds before entering a new Pin Code or scanning an RFID Card.

Note: Don't use an RFID Card and Pin Code simultaneously.

LED mode	LED color	Status indication
No LED		-K300 is in Sleep mode
Orange running back and forth		-Trying to get CAN access on TU700
White Solid		-K300 is on -Ready to unlock
Green Blinking		-Machine is unlocked -Ignition is OFF
Green Solid		-Machine is unlocked -Ignition is ON
Red running back and forth		-Machine is in process of locking -Ignition is OFF
Red blinking twice		-Wrong Pin / Card is not working
Red Solid		-Machine is set to "Locked For All"

Wakeup

To preserve energy usage, the K300 will go to sleep after [TIME PERIOD] of inactivity, which will turn off the backlight and LEDs of the K300.

There is a proximity sensor with a range of a few centimeters in the K300 which will detect the user's hand and wake up the K300, allowing the user to see the keys in low light environments.

