Pass K300 Trackunit Onboard Device Installation Guide

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Contents

Find the accessories you’re looking for.

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.

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

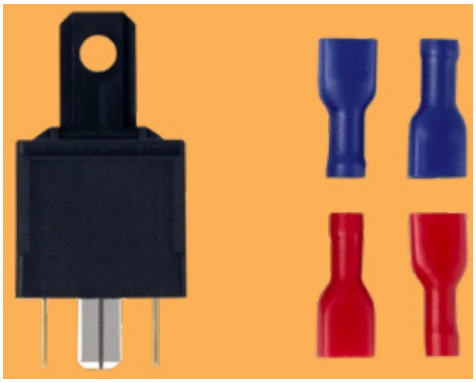
Splash Proof Relay
Used when required, to interface Track unit Raw to specific machine wiring signals or controls.

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 Track unit Raw to any type of machine.

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



Standard Relays
Used when required, to interface Track unit 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**

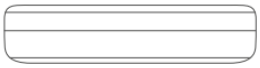
Order
Already know what you need? Place your order at **trackunit.com**

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



Overview
Track unit 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
- **prating Temperature:** -30°C to +70°C
- 3 to 16 Digit Numeric Pin Code
- RFID Reader 13.56 MHz
- MI fare
- MI fare Desire 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

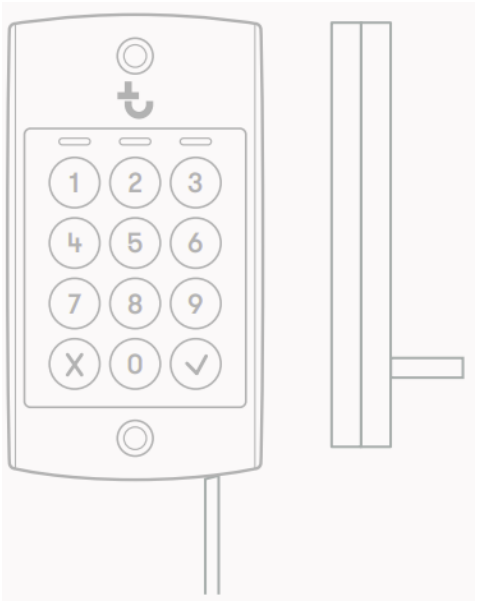
RFID Cards

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.

Connecting the Cable

Connect the M8 Connector on the 3m Cable to the M8 Connector on a Track unit 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.



(Optional) Drilling a Hole

Drill an 11 mm (.4”) Hole in the mounting surface and pull the 3m Cable through the Hole.
Note: Track unit is not responsible for any (product, equipment, or installer) damage during the installation process.

Assigning Users
Use Track unit Manager to enable Access Control on a Machine and assign control keys to certified users. Refer to helpcenter.**trackunit.com**

Using the Keypad

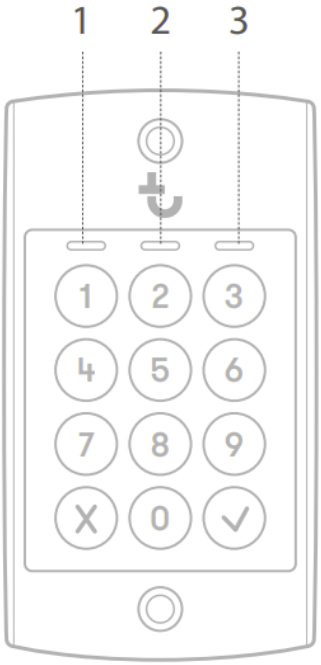
1. Enter the Pin Code on the Key Pad.
2. Select the Confirm button ✓.
3. The Approval ID LED (2) will flash green, indicating a valid Pin Code.

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.

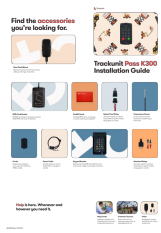
LED mode	LED color	Status indication
No LED		-K300 is in Sleep mode
Orange running back and forth		-Trying to get CAN access on TU700
White Solid		K300 is on -Ready to unlock
Green Blinking		Machine is unlocked -Ignition is OFF
Green Solid		-Machine is unlocked -Ignition is ON
Red running back and forth		-Machine is in process of locking -Ignition is OFF
Red bilking 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.

Documents / Resources

	Trackunit Pass K300 Trackunit Onboard Device [pdf] Installation Guide Pass K300, Pass K300 Trackunit Onboard Device, Trackunit Onboard Device, Onboard Device, Device

References

- Trackunit Help Center
- User Manual