



FIELD

INSTALLATION MANUAL

DEVICE:	TRAXENS-BOX V3
PRODUCT:	BOX0028/29
MODEL:	3DA-342-XXX
EQUIPMENT:	CONTAINER
TYPE:	DRY / OPEN-TOP



SAFETY NOTES

The term “device” is used in this document to mean Traxens-Box V3 (BOX0028/29).

- Device must be installed by a qualified technician who is responsible for compliance with regulations, standards and guidelines.
- Read installation manual before handling device and follow every installation step.
- Before installation, make sure that installation site is safe.
- In case of work aloft, follow safety measures to work at heights.
- Use appropriate PPE (Personal Protective Equipment).
- Follow local electronic waste disposal regulations.
- Store device in a safe place.
- Do not try to open or dismantle device.
- Do not apply excessive pressure to device.
- Device contains Lithium batteries. Exposure of Lithium to a temperature above 100 °C can lead to fire.
- Batteries are not replaceable. There is a risk of explosion if batteries are replaced by an inappropriate battery type.
- Dispose of used batteries according to instructions. Battery should be recycled according to the local legislation.
- Do not expose device to hydrocarbon or chemical products.
- Clean device with slightly soapy water.
- Do not use device if it does not function properly or if it has fallen.
- The used battery could not be discarded freely. It is not allowed to burn or throw directly into the trash can.
- Strictly prohibited to use or heat outside the permitted temperature range.
- It is recommended to store the devices in a 25°C (77°F) area.

WARNING FCC and ISSED Radio-frequency Exposure Statement

This equipment generates and radiates radio-frequency energy. In order to comply with the FCC and ISSED radio-frequency radiation exposure guidelines for uncontrolled environment, this equipment has to be installed and operated while maintaining a minimum body to antenna distance of 20cm. Users are not permitted to make changes or modify the system in any way.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. This device complies with Industry Canada licence-exempt RSS standard(s)

Operation is subject to the following two conditions:

- 1- This device may not cause harmful interference and,
- 2- This device must accept any interference received, including interference that may cause undesired operation of the device.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio



communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Consult the dealer or an experienced radio/TV technician for help.

TECHNICAL INFORMATION

Operating temperature range in EX zone: -22°F to 140°F / -30°C to 60°C

Operating temperature range outside EX zone extended to: -22°F to 158°F / -30°C to 70°C



Packing content provided by TRAXENS

TRAXENS provides for one installation:

- 1 Traxens-Box 3DA-342-XXX
- 4 blind rivets

Only for the first shipment, TRAXENS provides:

- 1 drilling template – EIP0058-00 **#1**



Note: drill bushes
description

A: for blind
rivets

B: for sensors

#1

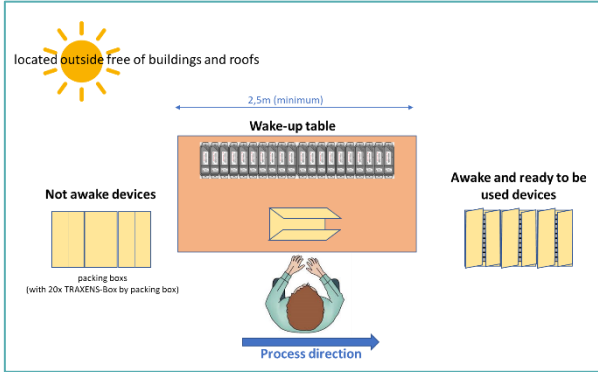
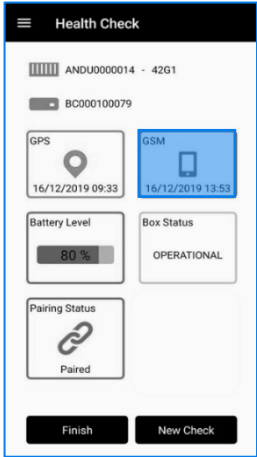
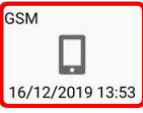
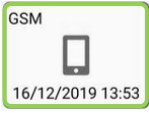
The installer will need:

- Electric hand drill
- Ø 5 mm long drill bit
- Jaw wrench or crew clamp
- Manual punch riveter



STEP 1: EARLY WAKE-UP

TRAXENS requires a 6 to 12 hours early wake-up phase to ensure initial GSM communication of the device before physical installation on the equipment. In practice, a depot might wake up at the same time all devices to meet daily installation requests.

0	Installer will need TRAXENS Field App to proceed with the early wake-up. See user guide
1	Sort out devices and accessories on a dedicated table (see picture above). Wake-up all devices following next procedure "How to wake-up TRAXENS-BOX".  <i>Wake-up area design recommendations</i>
2	Communication test Flash each device using the "Health Check" functionality to verify GSM communications are OK: • Select "Health Check" functionality • Enter device serial number, either manually or by scanning the QR code See video "How to check device wake-up status" 
3	  In the first place check if left led on device is flashing green. If flashing blue retry device wake up procedure.  GSM 16/12/2019 13:53 Icon is red Device does not communicate. Do not install the device on the equipment.  GSM 16/12/2019 13:53 Icon is green Device communicates. Install the device on the equipment.
If device is not communicating after 24 hours, contact support1@traxens.com who will suggest you how to proceed.	

HOW TO WAKE-UP DEVICE

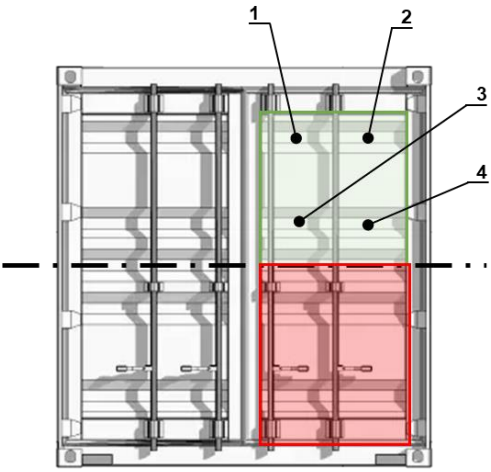
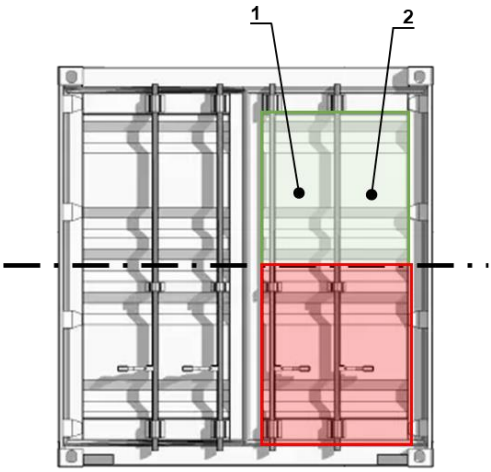


Figure 1: Traxens-Box V3 LED identification

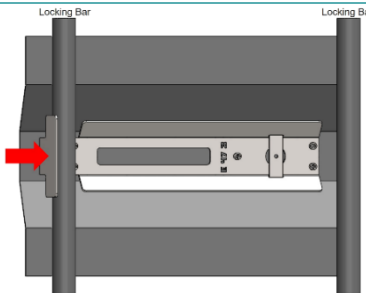
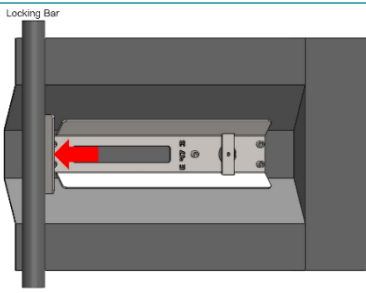
1. Check the device LED is flashing blue every 15s (offline mode)
2. Open the Field mobile application
3. Select Device Wake up functionality
4. Follow instructions
5. Put the mobile over the RFID tag
6. Wait for confirmation
7. Check the device LED is flashing green every 15s (nominal mode)

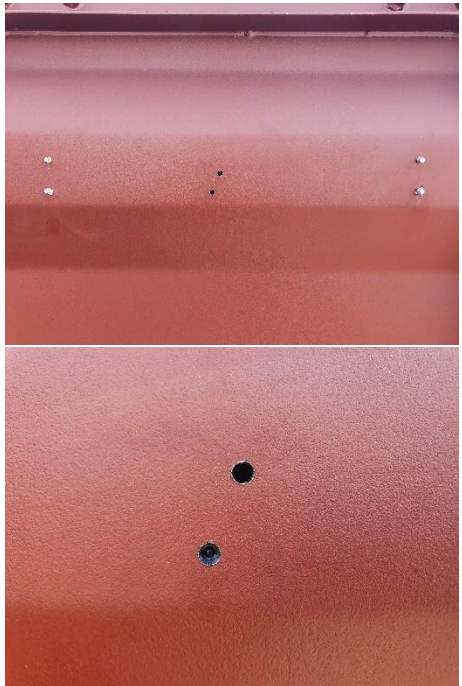


STEP 2 : DEVICE INSTALLATION

1	<u>Device location</u> • Right door • Inside highest container corrugation • Position 1 to 4 by preference order depending on markings • Free of markings • Green area Do not install device inside the red area	
Note	If there is a lack of door corrugation without markings, device should be secured: • Outside door corrugation • Horizontaly • Position 1 to 2 by preference order depending on markings • As close as possible to the upper metal fold	



2	Device securing:	
	Use the drilling template #1 to position precisely the device and lock it using a jaw wrench or crew clamp	
	Device location	Between locking bars
	Drilling template location	Locking bars right side
2		
		
2	Clamp the drilling template against the left locking bar left side. The drilling template is positioned flat in the corrugation hollow. Secure drilling template firmly with a jaw wrench on the locking bar. Point 6 holes with Ø 5 mm drill bit.	
	Clamp the drilling template against the right locking bar right side. The drilling template is positioned flat in the corrugation hollow. Secure drilling template firmly with a jaw wrench on the locking bar. Point 6 holes with Ø 5 mm drill bit.	
Note	 In case of open top containers, do not drill holes B.	
3	After pointing, remove drilling template and complete drilling with Ø 5 mm drill bit. Do not use cutting oil	
4	Make sure device is awoken before securing it.	 LED flashing green every 15 seconds
5	Secure device with 4 provided rivets.	

6	Make sure the sensor hole B is centered with the sensor.	
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STEP 3: PAIR THE TRAXENS-BOX AND THE CONTAINER

To associate container Id and device Id, the installer needs to pair them with the Traxens Field Mobile Application.



This application is available on Google Play Store. Search for the keyword “Traxens Field” and download the application named “Field”.

You can also flash this QR code to get a direct link to the application.



See video “[How to pair device and proceed to first equipment release](#)”

Please contact TRAXENS team to receive your login: support1@traxens.com

The mobile application user guide is available at
<https://upload.traxens.com/index.php/s/RgSI5pqwb9eiwYg>

