

CAUTION

RISK OF EXPLOSION BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS

Operating temp. max 80°C / On charging mode – 60°C

On discharging mode -70°C / For ArrowTrack Sensor - +85°C

- **ACCORDING TO THE NATIONAL ELECTRICAL REGULATION OF THE DESTINATION COUNTRY** while installation the ArrowTrack 3G 433/868 device , sufficient precautions need to be taken to isolated and keep separate from high voltage power supply line

Option 1 for Installation

- **2 bolts to be Screws together with the controller display** ○
- **2 connectors of controller and RMM to be replace** ●



Important: Turn off power of the reefer before install ArrowTrack remote device !!!

1 Take out top black connector from Controller



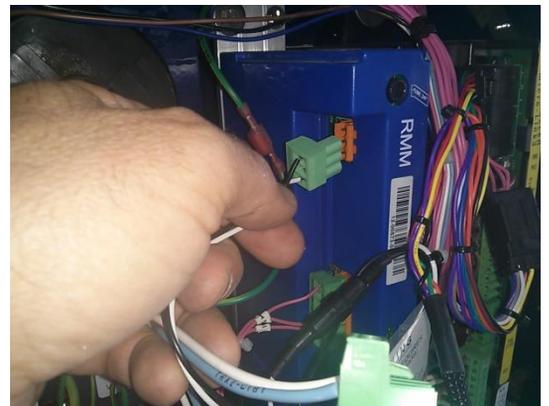
2 Replace with ArrowTrack connector



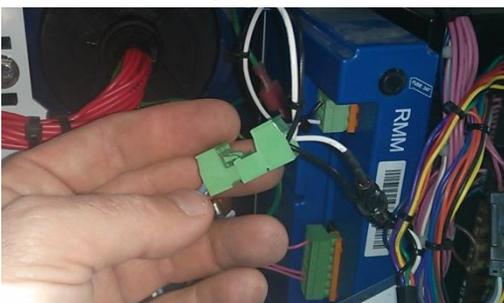
3 Connect controller male connector to ArrowTrack female



4 Take out the green RMM power connector and replace it with ArrowTrack connector



5 Connect RMM connector to ArrowTrack wire (male with female)



Option 2 for Installation

- 2 bolts to be Screws together with the controller display
- connector of controller to be replace ●
- Connector of 24AC to be connect ●



Important: Turn off power of the reefer before install ArrowTrack 3G remote device !!!

1 Screw out 2 screws from plastic cover's display



2 Take out top black Plastic cover's display



3 Put ArrowTrack 3G on top of display



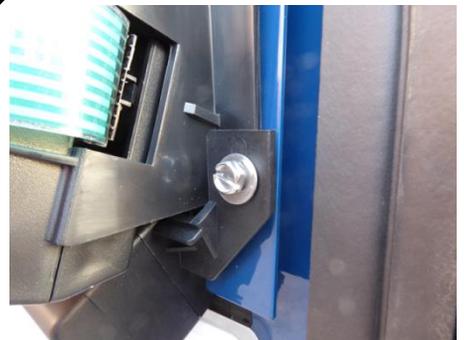
4 Screw back 2 screws with ArrowTrack and display together



5 Left screw with the display

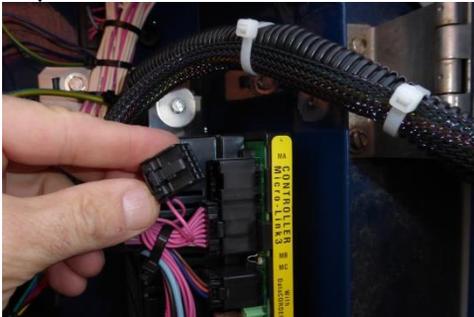


6 Right screw with the display

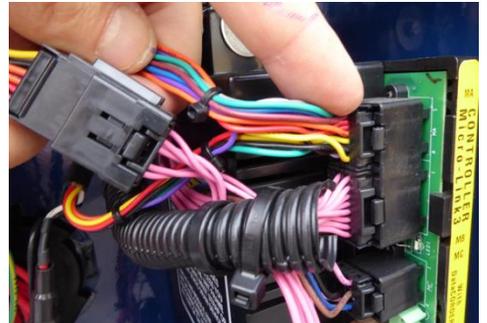


Important: Turn off power of the reefer before install ArrowTrack 3G remote device !!!

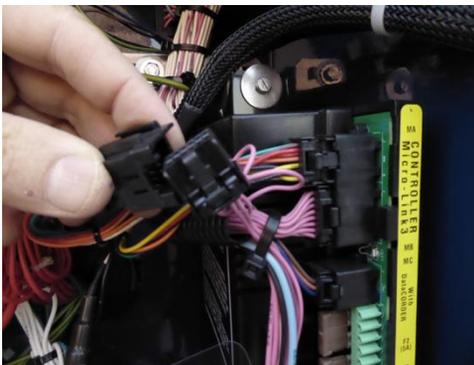
7 Take out top black connector from Controller



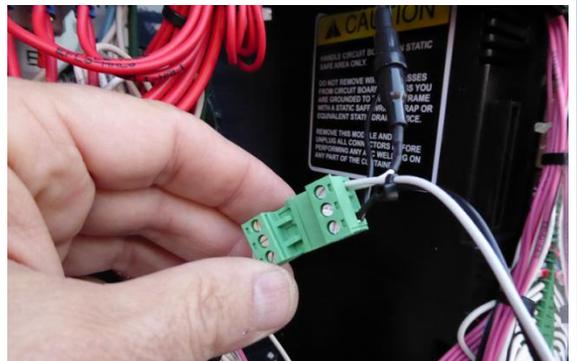
8 Replace with ArrowTrack black connector



9 Connect controller male connector to ArrowTrack female



10 Take the green power 24AC connector and connect it with ArrowTrack connector



11 Put 4 zipper along the Display cable



12 If there is RMM: Take out the green RMM power connector and replace it with ArrowTrack connector



Installation Check List

**Turn power on, wait 5 minutes and check:
all 5 leds should be ON or Blinking**

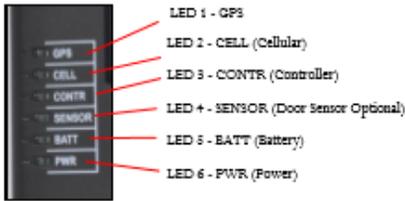
LED	LIGHT ON	LIGHT BLINKING	PROBLEM
GPS	GPS connect to satellite	GPS searching for satellite	Light Off: Check wire connection
CELL	Communication with cellular operator "ON"	Sending data	Light Off: Check wire connection
CONTR	Connection with Controller and Not connected to RMM	Connection with Controller and also to RMM	Light Off: Check wire connection
SENSOR	There is Communication with sensor	Sensor send data	Light Off: No connection with sensor
BATT	Back-up battery fully charged	Charging in process	Light Off: Problem with back up battery
PWR	Power On	Power Off	Light Off: Check wire connection

Operational Instruction

STARTUP:

- Turn on the power of the reefer and open the control box
- Wait 5 minutes before verifying LED activity
- Look at the six green LED's: PWR/BATT/SENSOR/CONTR/CELL/GPS
- All lights except SENSOR should be solid or blinking

Note: If the unit is not equipped with the door sensor, the SENSOR LED should be off. Check with the owner of the equipment to confirm if the option is installed. If equipped, the door sensor light may be off as the door sensor only sends data when an event takes place which results in LED blinking.



TROUBLESHOOTING

It is recommended that you first check the PWR LED

LED 1: GPS

- No GPS satellite coverage
- If the reefer is outside in "open sky", it is recommended to contact the control center listed under the replacement section

LED 2: CELL

- Power cycle the container unit
- During the initial 5 minutes of startup, watch the CELL LED
- If the LED is blinking or solid, device is OK

- If the LED is still off, replace the module
- If the new device CELL LED is off, then it might be a problem with the cellular communication's operator and re-fit the old module.

LED 3: CONTR

- Check the connector at the module and the MA plug at the container unit controller and then power unit on and wait 3 minutes for communication to be established
- If the CONTR LED is still off, replace the harness
- If LED is still off after replacing harness, replace module

LED 4: SENSOR (Optional)

- Check to confirm if door sensor is installed on the back door of container. If unit is not equipped with door sensor, LED will be off
- Open the container door and go back to see if the sensor LED in the ArrowTrack device is blinking or solid. If yes, the door sensor is OK
- If the LED is still off, replace door sensor. Refer to replacement section



LED 5: BATT

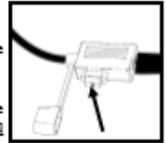
- Power on the unit and wait 5 minutes, look at the BATT LED
 - If the LED is off, turn unit power off and remove module
 - Open the battery cover (One screw – see picture)
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- Look at the connector of the battery. If it is connected properly replace the battery. If not, repair the connector
 - Close the battery cover and reconnect the harness

connector without reinstalling the module into the unit.

- Turn the unit power on and wait 5 minutes.
- If the LED of the battery is blinking or solid, turn off power and install the module into the unit
- If the BATT LED is not solid or blinking, replace the module

LED 6: PWR

- Turn off power
- Check the fuse in the wire harness
- If the fuse is bad, replace it with 2 AMP fuse and turn the power on
- If the PWR LED is not blinking or solid, turn off the power on the container unit and recheck fuse
- If the fuse is bad or LED is off, replace with a new module. Refer to replacement section



REPLACEMENT:

- Record the serial number of the new part number and the old part number. Email the serial number information to email address below
- For door sensor replacement, contact the control center for pairing of the module to the door sensor. The control center will send a message to the module pairing it with the new door sensor. Pairing will occur after notifying Arrowspot and may not be immediate
- If the part is covered under warranty, record both the old and new serial number on the warranty claim

Arrowspot Control Center:

☎ 972-72-250-2230

✉ sensor@arrowspot.com

WARNING

Always turn OFF the unit circuit breaker (CB-1), disconnect main power supply, and perform Lock Out / Tag Out before servicing on unit.

- When ordering a replacement, ensure you reference the part being removed
- For a copy of the instructions, contact your regional Field Service Manager

For immediate emergency technical assistance 24 hours a day, 7 days a week contact Carrier Container Technical Services Hotline:

1-800-668-6283

(1-800-ONTO-CTD)

Operational Instruction

FCC Compliance Statement

This device 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 residential installations. 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 and television reception.

However, there is no guarantee that interference will not occur in a particular installation. If this device does cause such interference, which can be verified by turning the device off and on, the user is encouraged to eliminate the interference by one or more of the following measures:

- Re-orient or re-locate the receiving antenna.
- Increase the distance between the device and the receiver.
- Connect the device to an outlet on a circuit different from the one that supplies power to the receiver.
- Consult the dealer or an experienced radio/TV technician.

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

This device complies with FCC Rules Part 15: Operation is subject to two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference that may be received or that may cause undesired operation.