



LIPPERT
COMPONENTS®

Tire Linc®
Tire Pressure & Temperature Monitoring System



Tire Linc® 2.0 Alert Indicator

Installation and Owner's Manual

(For Aftermarket Applications)

Tire Linc Aftermarket Kit PN #2020107499

Part #	Description
2020107499	Tire Linc Alert Indicator with accessories

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Introduction

Tire Linc® is a tire pressure and temperature monitoring system (TPMS). The TPMS issues an alert when a trailer's tire(s) pressure or temperature falls out of the programmable range.

The Alert Indicator is one component of the Tire Linc system, used as an alternative to the OneControl app. The Alert Indicator lights LED and beeps on tire faults, e.g., pressure high/low, temperature high/low, sensor battery.



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Additional information about this product can be obtained from lci1.com/support or by using the myLCI app. Replacement kits can be ordered from <https://store.lci1.com/> or by using the myLCI app.

The myLCI app is available for free on iTunes[®] for iPhone[®] and iPad[®] and also on Google Play[™] for Android[™] users.

iTunes[®], iPhone[®], and iPad[®] are registered trademarks of Apple Inc.

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Safety

Read and fully understand all instructions before installing or operating this product. Adhere to all safety labels.

This manual provides general instructions. Many variables can change the circumstances of the instructions, e.g., the degree of difficulty, operation and ability of the individual performing the instructions. This manual cannot begin to plot out instructions for every possibility, but provides the general instructions, as necessary, for effectively interfacing with the device, product or system. Failure to correctly follow the provided instructions may result in death, serious personal injury, severe product and/or property damage, including voiding of the LCI limited warranty.

⚠ WARNING

THE "WARNING" SYMBOL ABOVE IS A SIGN AN INSTALLATION PROCEDURE HAS A SAFETY RISK AND MAY CAUSE DEATH OR SERIOUS PERSONAL INJURY, SEVERE PRODUCT AND/OR PROPERTY DAMAGE IF NOT PERFORMED SAFELY AND WITHIN PARAMETERS SET FORTH IN THIS MANUAL.

⚠ CAUTION

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Parts List



Letter	PN	Description	Qty
A	808489	Alert Indicator	1
B, C & D	812943 Accessory Kit	Mounting Tape Strips, Charging Cord, Suction Cup	1

NOTE: Part numbers are shown for identification purposes only. Not all parts are available for individual sale. All parts with a link to the Lippert Store can be purchased.



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Pairing Alert Indicator to Repeater

1. Pair the Alert Indicator (Fig.1) to the repeater by pressing and releasing the Alert Indicator button (Fig.1A).

A. The Indicator will power up and its LED (Fig.1B) will blink red once then blue three times indicating the Alert Indicator is **NOT** linked to the repeater.

NOTE: After 10 seconds, the Indicator will enter sleep mode.



Fig.1

2. Link the Alert Indicator to the Repeater by pressing and holding the Pair Mode button on the Repeater for at least five seconds until the Status LED blinks rapidly.

3. Release the Repeater's Pair Mode button.

4. Press the Alert Indicator's button (Fig.1A) once to make sure the indicator is awake.

5. Within 10 seconds of waking the Indicator, press and hold the Alert Indicator button.

A. Continue to hold the Alert Indicator button until its LED and buzzer sounds.

I. One beep will sound off and one green LED flash will be emitted. **Continue to hold the button.**

II. Two beeps will sound off and the LED will blink green twice. **Continue to hold the button.**

III. After the indicator beeps three times, release the button. The LED will blink green three times.

B. The Alert Indicator's LED will briefly blink blue and emit a happy tone, indicating it has been linked to the Repeater.

6. The Alert Indicator is now linked to the Repeater.

NOTE: The Repeater's Status LED will blink green, yellow or red to identify certain conditions (see Step 7). The number of blinks of the LED, regardless of color, also indicates battery status (see Step 8).

7. Wait for the Repeater's Status LED to turn off, then press and release the Alert Indicator's button. The indicator's LED will flash as follows:

- Green to indicate the Repeater is in range and monitoring; tires within pressure and temperature limits.
- Yellow if there is no connection or out of range of the Repeater; cannot detect tire status.
- Red to indicate a fault, either high/low pressure or temperature is out of range; Indicator will beep for 10 seconds when tire issue is seen for the first time. LED will continue to blink red until fault is corrected.
- Red followed by blue notes Indicator is not linked to the Repeater.

8. Battery status indicators are as follows (regardless of LED color in Step 7):

- 3 blinks - Good, full charge
- 2 blinks - Low, not full charge
- 1 blink - Critical, needs charging



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Stem Sensor Pairing Sequence

The pairing sequence for Stem Sensors (Fig.2) is as follows:

1. SINGLE AXLE: Stem Sensors for a single axle trailer **MUST** be paired in the following order: Left front (Fig.3A), right front (Fig.3D).
2. DOUBLE AXLE: Stem Sensors for a double axle trailer **MUST** be paired in the following order: Left front (Fig.3A), left rear (Fig.3B), right front (Fig.3D), right rear (Fig.3E).
3. TRIPLE AXLE: Stem Sensors for a triple axle trailer **MUST** be paired in the following order: Left front (Fig.3A), left middle (Fig.3B), left rear (Fig.3C), right front (Fig.3D), right middle (Fig.3E), right rear (Fig.3F).



Fig.2

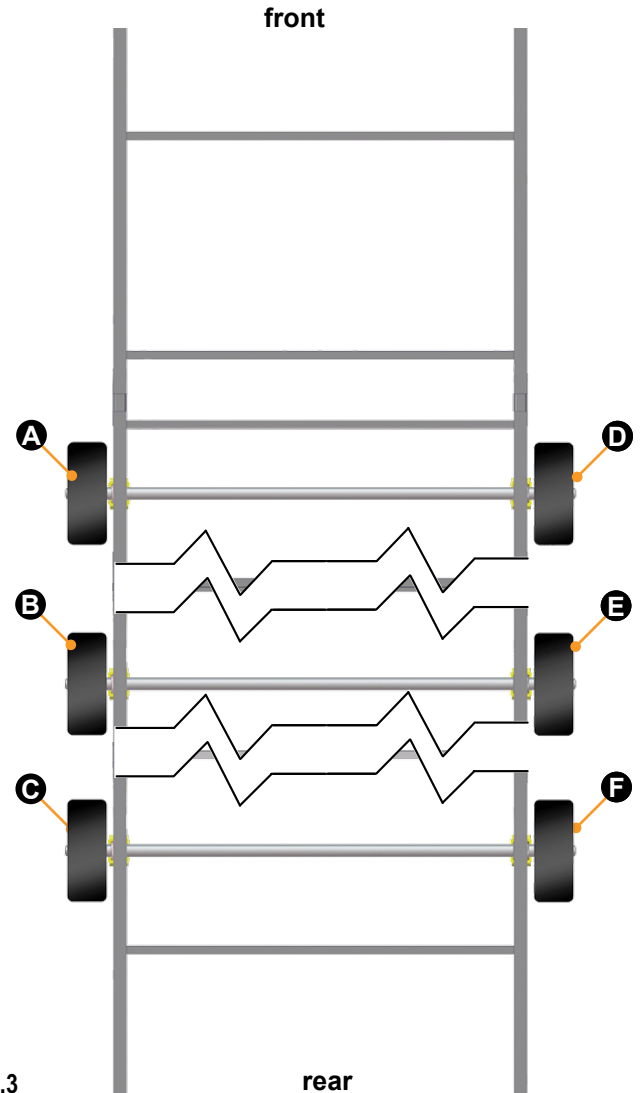


Fig.3



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Use Alert Indicator to Pair Sensors to Repeater

NOTE: Use this procedure if Stem Sensors have not previously been paired using a smart phone or if a smart phone is not available.

1. Use the Alert Indicator to pair the Stem Sensors (**Fig.2**) to the Repeater.

A. Remove any existing stem caps from the tires.

NOTE: If using the lock nuts as a theft deterrent, add the lock nuts to the tire stems while making sure there is room to add the Sensors. Lock nuts will be tightened at a later stage. The lock nuts are optional and are not required to be installed.

B. To begin pairing the Stem Sensors to the Repeater, push the Alert Indicator button (**Fig.1A**) once to make sure the Indicator is awake. Within 10 seconds, press and hold the Alert Indicator button.

C. After one beep has sounded and one green LED flashes, continue to hold the Alert Indicator's button.

D. After two beeps sound off, release the Alert Indicator's button. The Alert Indicator's LED will blink green twice.

2. The Alert Indicator will connect to the Repeater and emit a happy tone, if the connection is successful.

NOTE: To cancel learning, press and hold the Alert Indicator button for more than four seconds and then release. After hearing two beeps, learning is canceled. Sensors will not be remembered.

3. The Alert indicator LED will blink purple, then green one time to indicate that the first sensor (left front) is ready for pairing to the Repeater.

A. Screw a Stem Sensor onto the proper sequence tire, wait 10 seconds, then press and release the Alert Indicator button.

B. The Indicator will beep and its LED will blink purple indicating that the Repeater is scanning for the sensor.

C. Within five seconds, if the sensor is found, a beep will sound off and the LED will blink purple followed by two green flashes, indicating the Alert Indicator is ready to scan for the second Sensor.

I. If more than five seconds elapse, press and release the Alert Indicator button again; this will extend the scan time.

II. If a Sensor is not found, two beeps will sound and the LED will blink green once, indicating the Alert Indicator still needs to learn the first sensor.

4. Repeat steps 3A, 3B and 3C to pair the remaining Sensors in order.

NOTE: Stem Sensors take time to wake from deep sleep, so step 3A may need to be repeated twice.

5. After all Sensors have been paired to the Alert Indicator, the Alert Indicator's LED will blink purple then green five times.

6. Press and hold the Alert Indicator button for about two seconds until a single beep is heard, then release the button.

A. This ends learning and the repeater will remember the Stem Sensors.

B. The Alert Indicator will now be in monitor mode.

NOTE: When learning has completed, the low and high pressure limits of the tires are estimated at +/- 20% of the last received sensor data. Make sure Sensors are not removed during the learning process or the pressure limit values will be incorrectly estimated.

NOTE: If installing the optional lock nut as a theft deterrent, loosen Stem Sensor slightly and hand tighten lock nut against the Sensor. Using wrench provided in kit, hold lock nut in position and hand tighten Stem Sensor against lock nut.



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Operation

When Stem Sensors are under pressure, data is transmitted to the repeater, when tires are:

- moving/rotating, every one minute;
- not moving/not rotating, every 15 minutes.

The Alert Indicator will continually scan for tire events from the Repeater when it is plugged into an USB cable connected to a powered USB port. This configuration is best because it will be the most responsive to tire events.

When not plugged into a powered USB port, e.g., running on internal battery, the Alert Indicator periodically scans for data sent to the Repeater, when tires are:

- moving/rotating, every minute;
- not moving/not rotating, scanning time increments in 1, 2, 4, 8 and 15 minutes (maximum), with the Indicator entering sleep between scans.

The Alert Indicator is provided to send simple audio and visual alerts of a tire pressure or temperature event. No additional programming of the Indicator is required.

NOTE: The Repeater's Status LED will blink green, yellow or red to indicate certain conditions. The number of blinks of the LED, regardless of color, also indicates battery status.

Wait for the Repeater's Status LED to turn off, then press and release the Alert Indicator's button. The Indicator's LED will flash as follows:

- Green to indicate the Repeater is in range and monitoring; tires within pressure and temperature limits.
- Yellow if there is no connection or out of range of the Repeater; cannot detect tire status.
- Red to indicate a fault, either high/low pressure or temperature is out of range; Indicator will beep for 10 seconds when tire issue is seen for the first time. LED will continue to blink red until fault is corrected.
- Red followed by blue notes Indicator is not linked to the Repeater.

Battery status indicators are as follows (regardless of LED color):

- 3 blinks - Good, full charge
- 2 blinks - Low, not full charge
- 1 blink - Critical, needs charging

Tire Limits

Pressure is estimated at +/- 20 percent of an established value and the monitored temperature also utilizes a fixed value.

NOTE: These values can only be edited if downloading and utilizing the OneControl app.

Deep Sleep Mode

To place the Alert Indicator into deep sleep mode, hold the button until hearing one beep and then release it. The Alert Indicator will emit a happy tone and shut off.

NOTE: The Alert Indicator can only enter deep sleep if not plugged in.



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Notes

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