



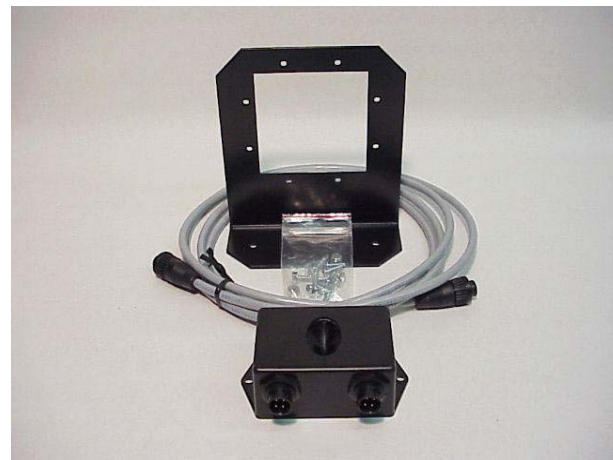
## TEACO TRUCK/BUS PARKING AID

MODEL PARKAID-16C

BACKUP DISTANCE INDICATOR



Display/controller on dash



Sensors with hardware mounting kit

Designed to work on TRUCKS, BUSES, etc to provide a distance measurement in feet or meters from the rear of the vehicle to the obstacles behind the vehicle such as loading docks, other vehicles, fences, posts, etc.

The **TEACO PARKAID-16C** utilizes ultrasonic sensors to detect objects in its radiated beam sensing area.

The **TEACO PARKAID-16C** is equipped with one (1) to three (3) ultrasonic sensors. They are mounted on the rear of vehicles to sense objects in its radiated beam sensing area. The detection range is 35° +/- 3° horizontal, 17° +/- 2° vertical. The sensing distance is up to 16 feet.

The detectable reflections from ultrasonic waves of an object depend on the objects hardness, dimensions and direction. In rare cases, there are instances where nothing is effectively reflected back to the sensor.

**Caution should always be used when backing up.**

There is an offset control in the **PARKAID-16C** controller that allows offset adjustment of zero to 3 feet for sensors that are mounted recessed under the bumper or other truck equipment. Included is a control that can be set from 0 to fifteen feet for an alarm in the cab. An optional external alarm is available for mounting at the rear of the vehicle.

## Specifications:

<b>Controller, Display Mechanical:</b>	Housed in a rugged, sleek designed black ABS housing that sits low on the dash, yet remains well in sight. Measuring 1.5" High X 3.35" Wide X 5.50" Deep.
<b>Adjustment:</b> foot or metric reading	Selectable internally in the controller, displays a decimal point on the right digit to indicate distance in whole feet. Displays a decimal point on the left digit indicating distance in meters.
<b>Adjustment:</b> distance offset control	Adjusts the distance offset from the sensor to the bumper or rear of the truck, bus, etc. Adjustable from zero to 3 Ft.
<b>Adjustment:</b> alarm offset control	Adjusts the distance from the sensor for the alarm to sound when backing up.
<b>Adjustment:</b> alarm volume control	Alarm volume (in cab), from silent to maximum volume.
<b>Sensors:</b>	2"H x 1-1/2" W x 1" D
Detection range:	34° s +/- 3° horizontal 17° +/- 2° vertical
Detection distance:	up to 16 ft.
<b>Operating Temperature:</b>	10 to 140° F
<b>Input Power required:</b>	12 Volts DC @ .5 Amps. 12 Volts DC @ 2 Amps maximum with external alarm.
	The <b>PARKAID-16C</b> does not require an external fuse. It is fused with a resettable fuse inside the control box. The system is also protected from polarity reversal.
<b>Optional External Alarm:</b>	An optional external alarm is available for mounting on the vehicle. The alarm is adjustable to sound from 0 to 15 feet. At 15 feet the volume is lower and the chirps are slower, as the target approaches 3 feet, the sound level increases and the frequency of the chirp increases. At 3 feet the sound level is at full volume.

## INSTALLATION

1. Mount the controller in the cab of the vehicle in a location that will provide access to connect the cables to the sensors, display, and power cable. The cables may need to be supported near the controller to provide a strain relief on the connectors. Excess cable can be coiled and tied off. The offset control is used to zero the display reading when a truck is backed up to an obstacle (If the sensor is recessed 1 foot in from the rearmost point on a vehicle in front of the sensor, the offset can be adjusted to zero the display). The zero control is adjustable from zero to 3 feet on the display. Once installed and adjusted, the **PARKAID-16C** should not require further attention.
2. Mount the sensors/brackets on the vehicle approx. 20 to 30" above the ground, spaced approx 4 feet apart when using two sensors. When using three sensors, mount them spaced apart 3 feet. It is suggested that they be mounted recessed slightly to take advantage of the offset adjustment.
3. Route the control to sensor cable to the first sensor. If 2 sensors are used, route the cable from the first sensor to the second sensor. Attach the sensor cables, provide support and strain relief on the cables. Excess cable can be coiled and tied off.

## OPERATION

1. Power the controller from a 12 VDC source that is live when the vehicle is in reverse gear.
2. If the sensors are mounted recessed in from the rear of the vehicle. Position a 1' x 1' piece of cardboard perpendicular to a sensor 1 foot from the back of the truck. Adjust the zero offset control counterclockwise to read 0 on the display, adjust the control slowly clockwise until the display reads 1, and then adjust the control slowly counterclockwise until the display reads 0. This will give a reading of 0 at 1 foot and under.
3. If the system is equipped with the alarm option, move the cardboard to the distance you wish it to sound, adjust the alarm control slowly clockwise until the alarm sounds, adjust it counterclockwise until it goes off, then clockwise again until you hear the alarm.

**NOTE:** The **PARKAID-16C** is an operator's safety aid and is not intended to relieve the operator from safe operation of the vehicle. The detectable reflections from ultrasonic waves of an object depend on the objects hardness, dimensions and direction. In rare cases, there are instances where nothing is effectively reflected back to the sensor.

**Caution should always be used when backing up.**

## WARRANTY

**The TEACO PARKAID-16 is designed as a driver assistance product. It should not be used as a safety device for other reasons. It does not relieve the driver from responsibility of safe operation of a vehicle. TEACO, Inc. does not assume liability for damages that occur when operating your vehicle.**

The **TEACO PARKAID-16C** is guaranteed to be free from manufacturing defects in material and workmanship under normal use to the original purchaser for a period of one year. TEACO, Inc. will repair or replace the defective component(s) free of charge upon proof of original purchase.

To receive service under this warranty, contact TEACO, Inc. by mail, phone, or email.

This warranty does not apply to defects caused by negligence, accident, unreasonable use, modification, abuse or tampering, or any other causes not related to defective material or workmanship.

The liability of TEACO, Inc. and its distributors is limited to the repair or replacement of the product. All liability for consequential damages, breach of any expressed or implied warranties including merchantability or fitness for purpose, is expressly disclaimed. This warranty gives you specific legal rights. You may have other rights that vary from state to state.

*Disclaimer of implied warranties and limitation on damages unless considered unenforceable or unlawful under applicable law.*

Neither TEACO, Inc. nor its distributors (Hereinafter called TEACO) will be liable for any claims, actions, suit proceedings, costs, expenses, damages or liabilities arising out of the use of this product. The sole undertaking of TEACO is limited to providing the product as outlined herein in accordance with this agreement. The provision of products sold and services provided to the customer shall not be interpreted, construed or regarded, either expressly or implied, as being for the benefit of or creating any obligation toward any third party or legal entity outside of TEACO, its authorized distributor and the customer. The responsibility of TEACO extends only to the customer.

TEACO'S liability for damages hereunder, regardless of the form or action, shall not exceed the fees or other charges paid to TEACO by the customer or customer's dealer. TEACO shall not, in any event, be liable for special, indirect, incidental, or consequential damages, including but not limited to: Lost income, lost revenue, or lost profit, whether such damages were foreseeable or not at the time of purchase and whether such damages arise out of a breach of warranty, a breach of agreement, negligence, strict liability or any other theory of liability.

To receive service or a replacement product or component under this warranty, contact us at the telephone number below to ask for a return authorization number. Then send the items prepaid with the authorization number and proof of purchase to the address below.

**TEACO, Inc.**  
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**Michigan City, In. 46361**  
**TEL: 219-874-6234**

Prices and conditions are subject to change without notice.

**Product Return Policy and Procedure**

- Returns: Defective products will be accepted for full refund or credit only with prior AUTHORIZATION and receipt of TEACO'S return AUTHORIZATION NUMBER.
- Credit for products: Credit for products will be issued upon receipt of product, not at time of claim.
- Freight: All returns must have freight prepaid. No C.O.D.'s will be accepted.
- Issuance of Credit: Credit will be issued only after merchandise is inspected and approved and will be based on customer's cost for the product, less any cost for repair, refurbishing, and repackaging.

**For more information or pricing, please call: 1-219-874-6234**

**fax: 1-219-874-6080**

**e-mail: [sales@teacoinc.com](mailto:sales@teacoinc.com)**

