

| Parameter | Symbol | Conditions | Min. | Typ. | Max. | Unit |
|---------------------------|--------------|--|------|------|------|------|
| Measuring distance range | ΔL | 2'3 | 20 | - | 150 | cm |
| Output Terminal Voltage | V_o | $L = 150 \text{ cm}^2$ | 0.25 | 0.4 | 0.55 | V |
| Output voltage difference | ΔV_o | Output change at L change (150 cm -> 20 cm) ² | 1.8 | 2.05 | 2.3 | V |
| Average supply current | I_{cc} | - | - | 33 | 50 | mA |

US-Lasers, Inc.

Research | Design | Production

Features:

- *Analog voltage corresponding to distance
- *Detecting distance of 20 to 150 cm 8" to 60"
- *Does not require an external control circuit
- *High Tech Function - Low Consumer Cost
- * Nearly immune to ambient light sources
- *Indifference to surface of detected object

In highly competitive markets with low profit margins, an improved safety record with reduced accident and injury costs may contribute more to profit than the best salesman. Every operational function of a business should be making a contribution toward profit. Loss control is no exception.

We create the products that keep you safely on target!

The Rack-Guard unit is small, measuring only 3" x 5 3/4". This small package offers big advantages due to its advanced design.

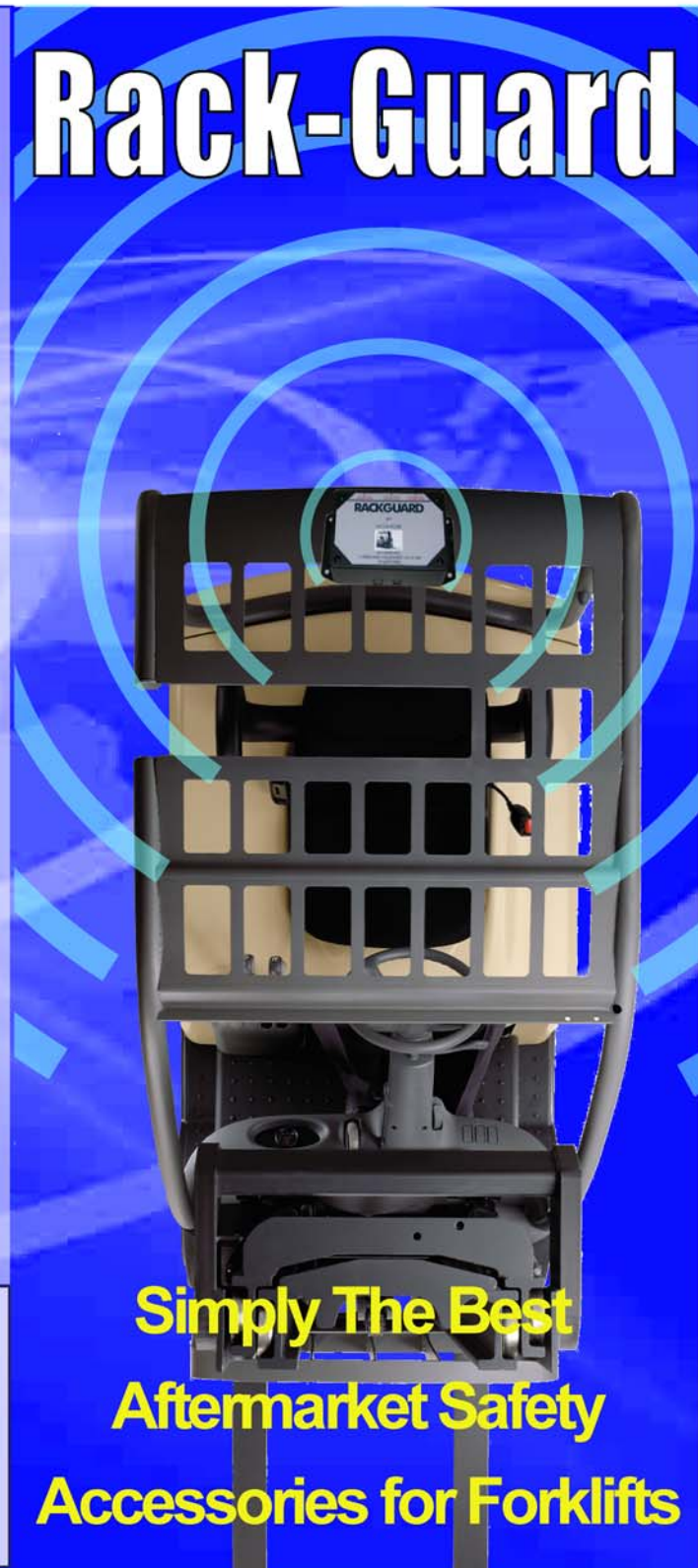
At the heart of each Rack-Guard unit is a high-tech ultrasonic sensor. While using very little current consumption, the sensor takes a continuous distance reading and reports the distance as an analog voltage with a distance range of 20cm to 150cm (8" to 60").



For additional information, visit:
<http://www.forklift-laser.com>

or
 Your Authorized Dealer:

Rack-Guard



**Simply The Best
 Aftermarket Safety
 Accessories for Forklifts**

Rack-Guard Offers You a Handle On Accident Prevention Where It Counts!

...With Your Forklift Operators!



The ultrasonic sensor housed within the Rack-Guard unit sends out a constant signal. The signal bounces off any structure that the signal hits. If the structure is within the safe distance limit of Rack-Guard, a loud audible horn will be emitted from the unit.

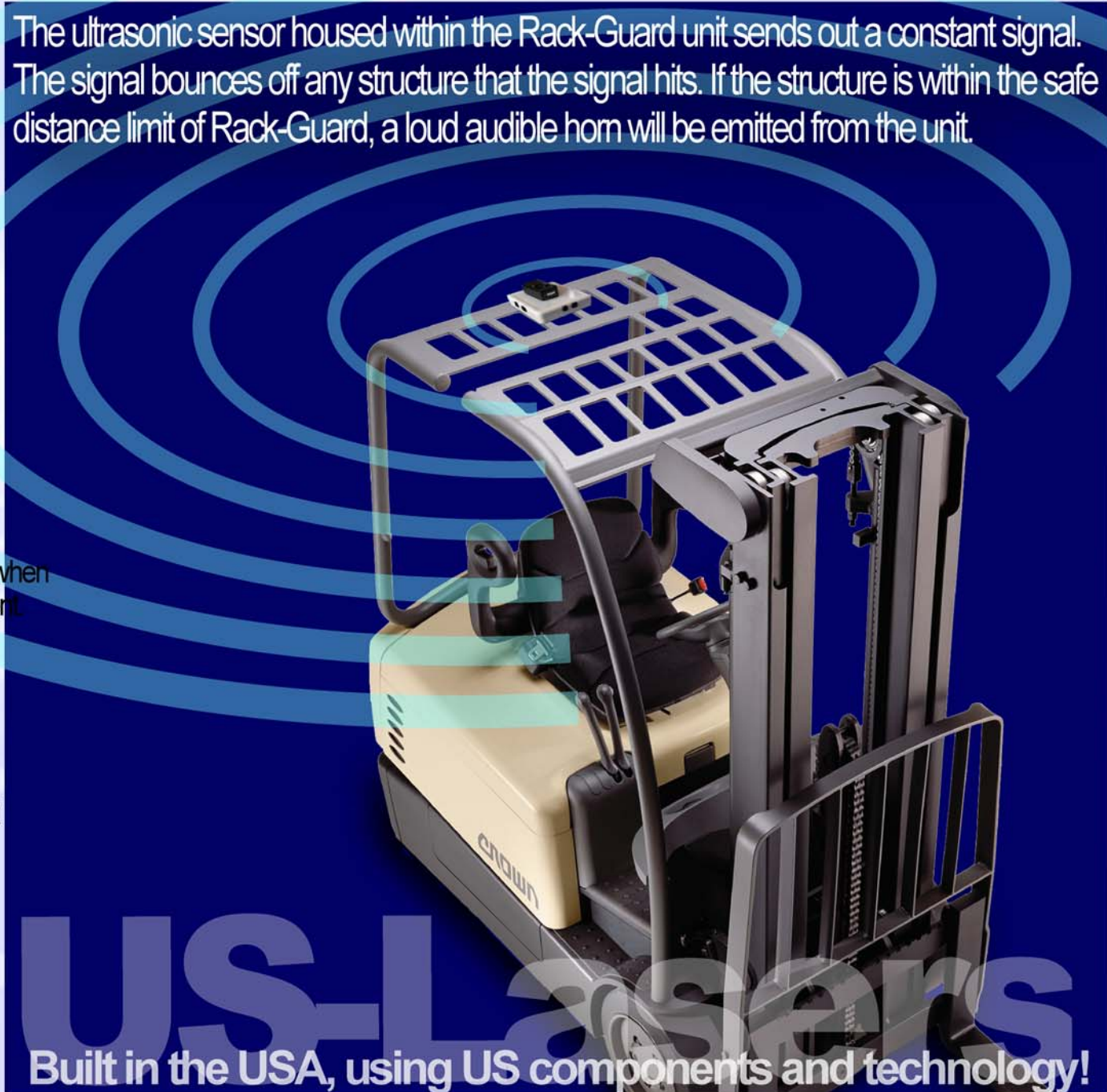
Prevents costly damage to racks and storage bins. State-of-the-art Ultrasonic Sensor measures distance from the sides and rear of the forklift to any objects including people who may be standing near the forklift. Sensors accurately detect distances as small as 1 inch and as much as 20 inches. Rack-Guard is completely adjustable to suit your specific requirements.

RACK-GUARD:

Provides a loud audible horn to warn forklift operator when the forklift has exceeded a safe-distance measurement.

FEATURES:

- Prevents Rack Damage (Reduces costly Rack repair)
- Excellent Training Tool for New Drivers
- Increased Operator Efficiency (Boost Productivity)
- Automatically Senses Distance to any object from Forklift
- Takes the guesswork out of navigating narrow aisles
- Easy Installation
- Onboard Sensitivity (Distance) Adjustment
- Long-life nickel metal hydride battery
- Loud Piezo Horn or Wireless Forklift Shut-off
- Adjustable Automatic Detection
- Latest Ultrasonic Sensor Technology



Built in the USA, using US components and technology!