

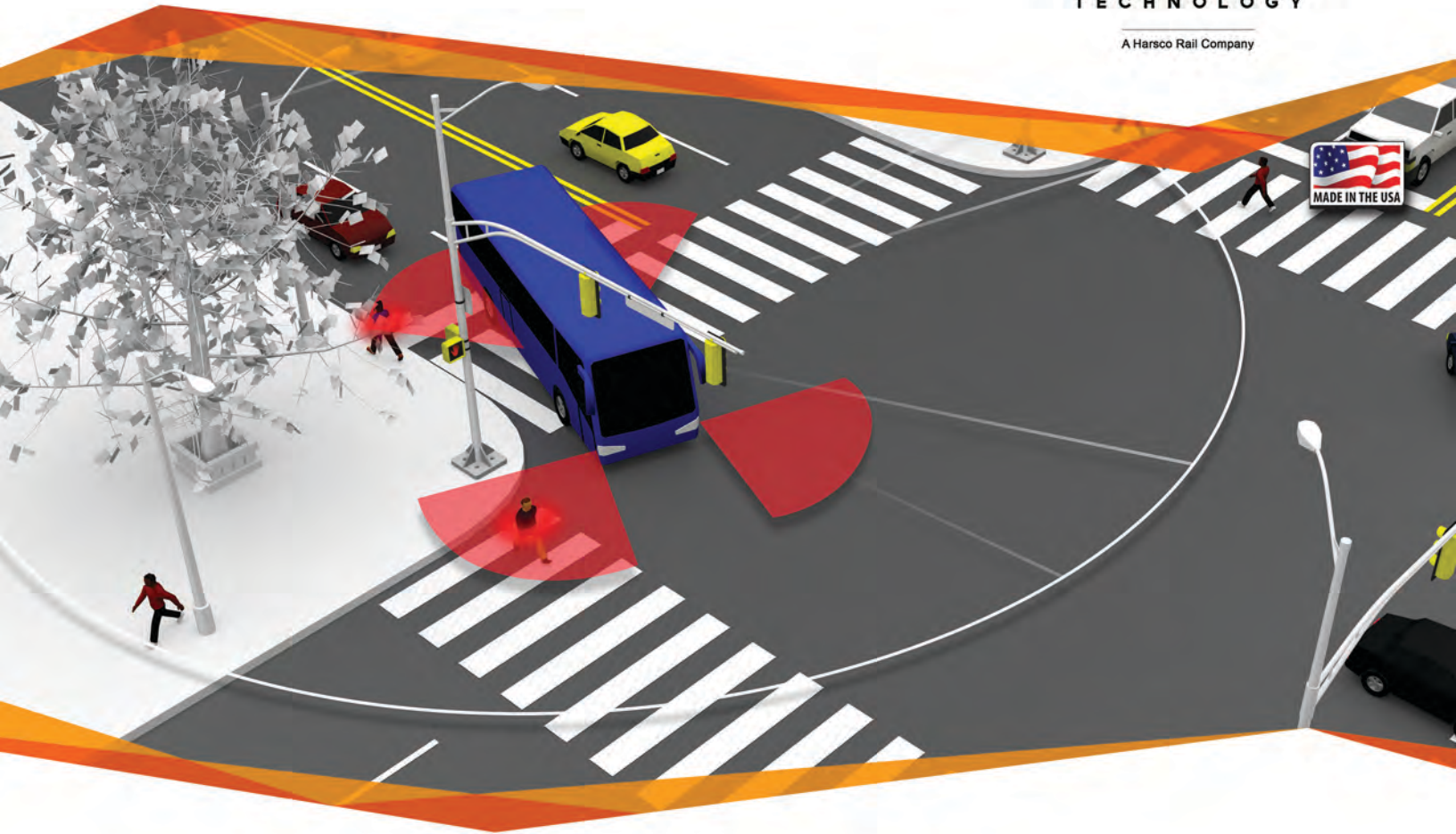
BLIND SPOT AWARENESS

Bus to pedestrian mitigation with collision avoidance



PROTRAN
TECHNOLOGY

A Harsco Rail Company



DESCRIPTION

The Protran Blind Spot Awareness System is an additional feature available with the Safe Turn Alert (STA) System. Blind Spot Awareness provides an audible and visual warning to the bus driver when an object is detected in the blind spot area of the bus. The system indicates detection on either the right or left side of the vehicle, alerting the driver via an LED indicating light on the dash board of the bus.

The STA System is a standalone, passive warning system designed to play an audible warning message external and/or internal to the vehicle when the vehicle is making a right or left hand turn. The system also has the option for flashing LED strobe lights that act as a visual warning to pedestrians as the vehicle is turning.

The STA and Blind Spot Awareness Systems are not designed to supersede any civil constraints or existing operator training policy, but are to be utilized as a secondary warning alert to pedestrians and/or the vehicle operator when making a turn.



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SPECIFICATIONS

Safe Turn Alert 2.0	
Input voltage	12 VDC
Fuse protected	Yes
Enclosure	Steel
Operating temperature	-40°C to +60°C
Storage temperature	-40°C to +85°C
Dimensions / weight	9¾" x 6" x 2¼" (24¾ x 15¼ x 5¾ cm) / 2½ lbs (1 kg)



PT-0080

BENEFITS

- Outside warning announcement
- Audible and visual alerts to the operator during detection of objects in blind spot area
- Data logging
- GPS
- LCD display with joystick style menu and select controls
- Volume automatically adjusts based on outside ambient noise
- Multiple recordable messages
- Flashing LED option

WARNING ANNOUNCEMENTS

Outside

- On both sides of bus
- Only on the side of the direction of the turn
- Optional – front half then back half for articulated style busses, plus the above options

Inside

- Audible and visual alerts to the operator during detection of objects, pedestrians, and cyclists in the blind spot area
- Volume automatically adjusts based on outside ambient noise
- Multiple recordable messages

FEATURES AND OPTIONS

Blind spot detection

- Pedestrian collision avoidance
- Bicycle detection
- Motorcycle detection

Data logging

- 1 month + 1 month data logs
- Easily import the data into an excel spreadsheet for analysis

GPS

- Data logging info: time, date, location, etc.
- Audio volume adjustment by geolocation (up to 16 different locations)
- Geo-fencing (muting of amplifier within a given geolocation)
- Change of default volume level for nighttime / daytime
- Automatically sets date and time for the Real Time Clock

LCD display with joystick style menu and select controls

- Display of current activity
- User adjustable option settings and features

Flashing LED option

APPLICATIONS

- STA 2.0 simple features
- Latest technology configurations and ability to log data for safety and training purposes
- Pedestrian collision avoidance
- Bicycle detection
- Motorcycle detection

APPROVALS

- Over seven years revenue service
- Over 5000 systems in operation

The Protran Technology, Harsco Rail equipment pictured in this brochure is intended to illustrate the general appearance and features of this product. It is equipped as specified by a particular customer and may or may not show items that are optional or recommended by Protran Technology, Harsco Rail. Specifications, illustrations, and descriptive materials herein were accurate as known at the time this publication was approved for printing. Protran Technology, Harsco Rail reserves the right to discontinue models or options at any time or change specifications and materials, equipment and design without notice and without incurring obligation. Protran Technology, Harsco Rail, is not responsible for operators, workers, and/or pedestrians that ignore or disregard the secondary warning, audible and visual alerts from the system. Contact Protran Technology for warranty information. For operation, refer to the Protran Technology operation manual.

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05/12/2017