

# PROTRACKER KIT

PTC - Roadway Worker Protection System



**PROTRAN**  
TECHNOLOGY

A Harsco Rail Company



## DESCRIPTION

The Protracker Kit includes the Train Mounted Unit, Flagger, Personal Alert Device (PAD), and Portable Warning Light/Horn (PWLH). The system is designed to be mounted in the cab of a train or tied into the train's monitor. With the Protracker, the train operator will be audibly and visually alerted of personnel near the train tracks who are wearing the Protracker Personal Alert Device (PAD). Also, the PADs and PWLHs communicate with the Train Device. Once a train is in range, the PADs and PWLHs will signal that a train is approaching. This system enhances the secondary safety for work crews and train operator



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## PTC - Roadway Worker Protection System

### SPECIFICATIONS

#### Protracker Train Mounted Unit

|                       |   |
|-----------------------|---|
| Input voltage         | 18-75 VDC   |
| Tx / Rx range HI-RES  | 800-3000 ft & meets FRA 15 second rule*           |
| Sound output          | 66-94 dB @ 3 feet adjustable                      |
| Enclosure             | Polycarbonate / IP51 (IP65 option), NEMA 4, 4x    |
| Operating temperature | -40°C to +85°C                                    |
| Dimensions / weight   | 4¾" x 4¾" x 2¼" (12 x 12 x 6¾ cm) / 1¼ lbs (½ kg) |

#### Portable Warning Light & Horn

|                     |  |
|---------------------|--|
| Battery life        | 12-24 hours (depending on number of alerts)        |
| Range               | 800-3000 ft & meets FRA 15 second rule*            |
| Sound output        | 107-118 dB @ 3 feet adjustable                     |
| Dimensions / weight | 5¾" x 7½" x 5½" (14½ x 19 x 14 cm) / 5 lbs (1¼ kg) |

#### Personal Alert Device (PAD) & Headset

|                     |  |
|---------------------|--|
| Battery life        | 12-24 hours (depending on number of alerts)      |
| Range               | 800-3000 ft & meets FRA 15 second rule*          |
| Sound output        | 94 dB @ 1 foot                                   |
| Enclosure           | ABS plastic (with IP66 option) & sealed membrane |
| Dimensions / weight | 3¼" x 3¾" x 1¾" (8 x 9½ x 4½ cm) / ½ lb (230 g)  |

#### Flagger Device (FD) & Headset

|                     |  |
|---------------------|--|
| Battery life        | 12-24 hours (depending on number of alerts)      |
| Range               | 800-3000 ft & meets FRA 15 second rule*          |
| Sound output        | 94 dB @ 1 foot                                   |
| Enclosure           | ABS plastic (with IP66 option) & sealed membrane |
| Dimensions / weight | 3¼" x 3¾" x 1¾" (8 x 9½ x 4½ cm) / ½ lb (230 g)  |

#### 5-Port PAD / Flagger Charge Station

|                     |  |
|---------------------|--|
| Charges             | PAD and Flagger devices                        |
| Dimensions / weight | 22" x 3" x 1½" (56 x 7½ x 4 cm) / 4½ lb (2 kg) |

\*Distances can be changed upon request



PT-0201



PT-0401



PT-0704 PT-0700EP



PT-0702 PT-0700EP



PT-0801

### BENEFITS

- High resolution up to 1000 feet
- 16 / 8 inputs and outputs
- RS232, RS485 and ethernet

### APPLICATIONS

- Advance warning to train operator of work crew ahead
- Advance warning to HY-RAIL operator of workers ahead
- Advance warning to work crew of approaching train
- Advance warning to trespassers of approaching train
- Audible and visual warnings

### APPROVALS

- United States (FCC): OUR-XBEE\*
- Canada (IC): 4314A-XBEE\*
- Europe (CE): ETSI\*
- Europe: RoHS / WEEE (upon request)\*

\*Specific to radio only

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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