

WORK ZONE PROTECTION

Risk Reduction Technology
Added level of SAFETY



Portable ProTracker

TRANSPORT
ALSTOM SIGNALING INC.

We are shaping the future

ALSTOM



Flagger with Portable Train Detector inside track

SAFETY FIRST

Alstom recognizes the importance of a clean safety record. We are committed to offering the best products and solutions to help improve your operations while maintaining the highest standards of safety. The secondary warning system products provide added level of safety, that is critical and needed, especially in times of increased activity in your tracks.



**Call our Customer Service Center for
more information: 1-800-717-4477**

Dark Territory Protection

APPLICATIONS

- **Advance warning to work crew of approaching train**
- **Advance warning to train operator of work crew ahead**
- **Advance warning for single tracking (optional)**
- **Flagger device for advance warning of danger for work crew**
- **Advance warning of dangers for roadway**
- **Allows work crew to get the attention of the flagger**



Portable Train Detector and Portable Warning Light/Horn

Portable Train Detection System

The **Portable ProTracker** is used to alert track crews in Dark Territories of an approaching train. The device is not to take the place of existing procedures. The Portable Pro Tracker is light weight, user friendly, and only takes seconds to set up. The Personal Alert Device, Blue Tooth and Portable Warning Horn/Light communicates with the Portable Train Detector. Once a train is detected a secured wireless alarm is sent to the workers that a train is approaching giving the work crew time to clear the tracks. As options, the Portable ProTracker can work in single tracking locations so it will alert of an approaching train but not re-alert as train exits work zone.

Flagger Emergency Alert System

The **Flagger Emergency Alert (FEA)** allows flaggers the instant reliability to alert Work Crews and Roadway Maintenance or High Rail Vehicles of approaching dangers. Unlike the air horn, the Flagger Emergency Alert gives the warning sound where the work crews and equipment is located and not at the point where the flagger is standing. When the flagger sees danger he simply pushes the FEA alert and instantly warns the work zone of approaching dangers. Currently Flaggers use air horns which have been know to be very unreliable or run out of CO2 putting the workers in a compromising position. The Flagger Emergency Alert eliminates this problem and improves the safety work zone with no need for dangerous CO2 Gas.

Risk Reduction Technology

Please Note: This is a secondary warning system. Not meant to replace primary work zone protection.

Dark Territory Protection Components



Portable Train Detector,
placed inside or
outside of track



Personal Alert device



Portable Warning Horn/Light,
placed near work crew



Safety BlueTooth



Supervisory Device

Specifications

Data	Value
DC Input	Re-Chargeable Battery Powered
Fuse Protected	Yes
Transceiver Frequency	Proprietary/Secure
Tx/Rx Range	Based on agencies requirements
Enclosure	Polycarbonate / IP6, NEMA 4, 4x
Operating Temp	-40°C to +85°C

Ordering Information - Portable Train Detection System

Quantity	Ordering Number	Description	Price
Complete System * *	93300-005-01	Portable Train Detector System	\$ 15,028.00
(1 included with system) *	93300-005-02	Portable Train Detector	\$ 5,525.00
(2 included with system) *	93300-005-03	Portable Warning Light/Horn	\$ 2,873.00
(2 included with system) *	93300-005-04	Personal Alert Device (PAD)	\$ 972.00
(1 included with system) *	93300-005-05	Supervisory Device (SD)	\$ 972.00
(2 included with system) *	93300-005-06	Safety BlueTooth (SBT)	\$ 365.00

Ordering Information - Flagger Emergency Alert Device

Quantity	Ordering Number	Description	Price
Complete System * *	93300-005-01	Flagger Emergency Alert System	\$ 6,520.00
(1 included with system) *	93300-005-05	Flagger Emergency Alert	\$ 972.00
(1 included with system) *	93300-005-03	Portable Warning Light/Horn	\$ 2,873.00
(2 included with system) *	93300-005-04	Personal Alert Device (PAD)	\$ 972.00
(2 included with system) *	93300-005-06	Safety BlueTooth (SBT)	\$ 365.00

* Use individual ordering number for spares.

** Includes carrying case.

CALL 800.717.4477 • FAX 585.274.8777

Work Zone Protection

Roadway Maintenance Machine and Work Crew Warning Device

The **Portable Roadway Maintenance Machine Device** is designed to be mounted on any Roadway Maintenance Machine (operates months on rechargeable battery). The vehicle driver will be audibly and visually alerted of personnel near the tracks. Personnel using the Personal Alert Device or Portable Warning Horn/Light will be alerted of approaching Roadway Maintenance Machines.

APPLICATIONS



- **Advance warning to train operator of walker or work crew ahead**
- **Advance warning to walker or first responder work crew of approaching train**
- **Advance warning of fire, biological, chemical releases**
- **Advance warning of stop signals and or collision avoidance**



Locomotive Engineer Warning Device

The **ProTracker Train Device** is designed to be mounted in a locomotive cab. The train operator will be audibly and visually alerted of dangers ahead such as personnel near the tracks who are wearing the ProTracker Personal Alert Device (PAD) and Safety Yellow Blue-Tooth. The ProTracker Personal Alert Device (PAD) and the Portable Warning Lights/Horn (PWLH) communicate with the Train Device (TD). Once a train is detected both the PAD and PWLH will turn on giving warning to the work crew of an approaching train.

APPLICATIONS

- **Advance Warning to Roadway Maintenance Machines to Work Crews**
- **Advance Warning from Work Crew or Flagman to Roadway Maintenance**

Risk Reduction Technology

Please Note: This is a secondary warning system. Not meant to replace primary work zone protection.

Work Zone Protection Components



Portable Warning Horn/
Light, placed in work crew



Supervisory Device



Personal Alert Device
Worn by Track Personnel



Safety BlueTooth



Portable Machine Device
Placed in Roadway
Maintenance Machine

Specifications

Data	Value
DC Input	24-70 VDC @ 390mA maximum battery operated with quick charger port
Fuse Protected	1 amp
Transceiver Frequency	Proprietary/Secure
Receiver Range	300 feet - consult factory for shorter or longer range settings
Enclosure	Polycarbonate / NEMA 4, 4x, 12 + 13
Operating Temp	-40°C to +85°C

Ordering Information - Roadway Maintenance Machine

Ordering Number	Description	Price
93300-006-05	Portable Machine Detector (PMD)	\$ 1,746.00
93300-006-02	Portable Warning Light/Horn	\$ 2,873.00
93300-006-01	Personal Alert Device (PAD)	\$ 972.00
93300-006-07	Supervisory Device (SD)	\$ 972.00
93300-006-03	Safety BlueTooth (SBT)	\$ 365.00

Ordering Information - Locomotive Engineer Warning Device

Ordering Number	Description	Price
93300-006-04	Train Device	\$ 3,315.00
93300-006-02	Portable Warning Light/Horn	\$ 2,873.00
93300-006-01	Personal Alert Device (PAD)	\$ 972.00
93300-006-06	Flagger Device (FD)	\$ 972.00
93300-006-03	Safety BlueTooth (SBT)	\$ 365.00

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Handheld Voltage Awareness Device

NEW!

FEATURES

- LED Display
- 50 - 1500VDC
- No Batteries
- Audible Alarm
- Visual Alarm
- NRTL Certified



The **ProHot Stick** was designed to meet the 12" rule and give rail workers the ability to safely verify the presence and range of voltage. The unit has the redundancy of an audible alarm, in addition to (8) eight LED's, voltage reading. More important is that NO BATTERY REQUIRED.

Several options are available upon request:

1. Magnet attachment
2. Hook attachment for Catenary
3. Quick connects to easily switch from one attachment to another.
4. Comes with its own carrying case.

Specifications

Data	Value
LED	6 or 8 extra bright LEDs
LED Color	Red
Power requirements	50-1500 VDC Max & 50-1000 VAC MAX
Polar Sensitive	NO - Intermittent use only
Redundancies	Alarm and LEDs
Enclosure	Polycarbonate
Output	Less than 1/3 Amp (300 Ma)

Ordering Information

Ordering Number	Description	Price
93300-007-01	ProMax Handheld Voltage Awareness Device	\$ 530.00
93300-007-02	ProHot Stick Handheld Voltage Awareness Device	\$ 530.00
93300-006-03	Non Conductive, Adjustable Strap	\$ 100.00

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Portable Train Detector,
placed inside or outside the track.



Portable Warning Horn/Light,
placed near work crew



Personal Alert Device

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ALSTOM