

# ProTran1

Leading Manufacturer of "Risk Reduction Technology"™

Wireless Advance Warning Devices  
Track Walker, Work Crew, First Responder

**ProTracker™**  
Track Walker / Worker - Train Operator  
Advance Warning Devices  
101601-71

**PRODUCT INFORMATION  
BULLETIN**



TD mounted in an operators cab.



Train Device (TD)  
Placed in operators cab



Portable Warning Horn/Light (PWLH)  
Placed in work zone



Personal Alert Device (PAD)  
Worn by track personnel



Flagger Device (FD)  
Wireless Flagger Alarm



Safety Yellow  
Vibrating  
Audible  
Blue Tooth

## DESCRIPTION

The ProTran1 ProTracker Train Device (TD) is designed to be mounted in the cab of a train. The train operator will be audibly and visually alerted of personnel near the train tracks who are wearing the ProTracker Personal Alert Device (PAD) and Safety Yellow Blue-Tooth. These devices are meant to be a secondary warning to existing procedures. Never to be used as primary safety just as an additional back-up. Unit is never to replace a flagger or existing procedures.

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. It will also warn the train operator of the work crew up ahead. Also Ideal for advance warning for first responders and fire, chemical or biological releases.

## APPROVALS (TD) and (PAD)

United States (FCC)	OUR-XBEE
Canada (IC)	4214A-XBEE
Europe (CE)	ETSI
Europe	RoHS/WEEE – upon request

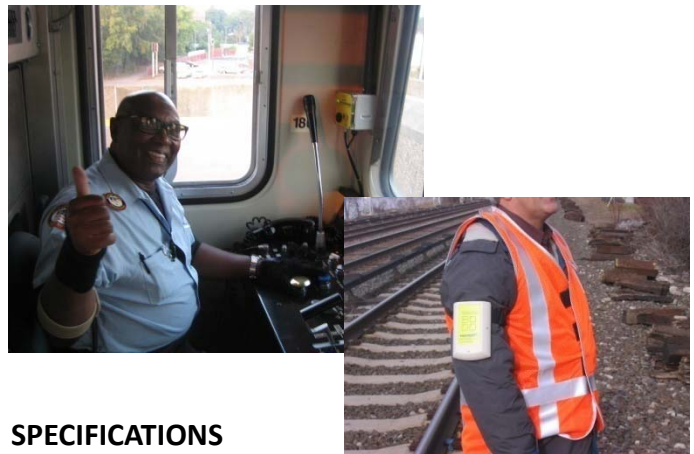


## APPLICATIONS

- Advance warning to train operator of walker or work crew ahead.
- Advance warning to walker or work crew of approaching train.
- Advance warning to first responder of approaching train.
- Advance warning of fire, biological, chemical releases.
- Flagger device for advance warning of danger for work crew.
- Advance warning of stop signals and or collision avoidance.

## OPERATIONS

Refer to the ProTran1 Operations Manual.



## SPECIFICATIONS

### Train Device (TD) P/N 101601-71TD

Note: Specifications shown are for all models sold after the printed document date at the end of each bulletin.

•Repeaters may be required for severe locations.

DC Input	25-70 VDC @ 390mA maximum
Fuse Protected	1 amp
Transceiver Frequency	Proprietary/Secure
Receiver Range*	Consult factory on range required
Enclosure	Polycarbonate / NEMA 4, 4x, 12 + 13
Operating Temp	-40C to +85C

**ProTracker™**  
**Track Walker / Worker - Train Operator**  
**Early Alarm System**  
 101601-71

**SPECIFICATIONS CONTINUED**

**Personal Alert Device (PAD). P/N 101601-71PAD, Portable Warning Light/Horn (PWLH). P/N 101601-71-PWLH, Flagger Device(FD). P/N 101601-71FD**

Keypad	Durable Sealed Membrane Keypad – Eliminates Dust, Dirt and Moisture Failures
Enclosure	ABS Plastic – with IP66 Option
Power Requirements	3.0 VDC
Battery Type and Life For PAD	PAD/FD (4) 3V Lithium Ion each, size AA , to equal 3.0VDC nominal. p/n 03-2023 energizer only. 50 hours life service when new. When replacing batteries make sure they are a complete new set. Never change just individual batteries or move the old ones around.
<b>Note: Current frequency settings are maintained in flash memory during battery replacement. No reprogramming of frequency setting is necessary!</b>	
Battery Life for PWLH (Active Usage)	Up to 3 months
Battery Life (Off Mode)	Up to 1 year
Transmit Frequency	Proprietary/Secure
RF Output Power	10 mW
Transmit Range*	Consult factory on range required

**Part Numbers for ordering**

Item	Part Number
Train Device	101601-71TD
Portable Warning Horn/Light	101601-71PWLH
Personal Alert Device (PAD)	101601-71 PAD
Flagger Device (FD)	101601-71 FD

Blue Tooth ordered separately

**DIMENSIONS**

**Train Device (TD)**

Mounted in the operators cab



4" x 4" x 2.5" / 10.16cm x 10.16cm x 6.35cm  
 Weight 2lbs (.907kg)

**ProTran1**

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**Blue Tooth, Personal Armband Device (PAD) and (FD)**  
 Worn on the workers Arm or hand held



Safety Yellow  
 Vibrating  
 Audible  
 Blue Tooth

Blue Tooth - 2"x1" 5.00cm x 2.5cm  
 PAD and FD - 4" x 6" x 1.5" / 10.16cm x 15.24cm x 3.81cm  
 Weight 1lbs (.45kg)

**Portable Warning Light/Horn (PWLH)**

Placed in work zone



14" x 6" x 8" / 35.56cm x 15.24cm x 20.32cm  
 Weight 7lbs (3.17kg)



**LIMITED WARRANTY STATEMENT**

ProTran1- branded products purchased in the U.S. or Europe come with a limited warranty; if properly used and installed, will be free from defects in material and workmanship for a period of 1-year after date of purchase. The warranty period is not extended if we repair or replace a warranted product or any parts. Said warranty to include the repair or replacement of defective equipment.

**What is not covered by this limited warranty?**

This limited warranty does not cover:

Damage due to external causes, including accident, problems with electrical power, and usage not in accordance with product instructions, misuse, neglect, alteration, repair, improper installation, or improper testing.

THIS LIMITED WARRANTY, AND ANY IMPLIED WARRANTIES THAT MAY EXIST UNDER STATE LAW, APPLY ONLY TO THE ORIGINAL PURCHASER OF THE EQUIPMENT, AND LAST ONLY FOR AS LONG AS SUCH PURCHASER CONTINUES TO OWN THE EQUIPMENT. THIS WARRANTY REPLACES ALL OTHER WARRANTIES, EXPRESS OR IMPLIED INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. PROTRAN1 MAKES NO EXPRESS WARRANTIES BEYOND THOSE STATED HERE. PROTRAN1 DISCLAIMS WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES SO THIS LIMITATION MAY NOT APPLY TO YOU.

TO OBTAIN WARRANTY SERVICE, CONTACT ProTran1 FOR A RETURN MATERIAL AUTHORIZATION. WHEN RETURNING EQUIPMENT TO ProTran1, THE CUSTOMER ASSUMES THE RISK OF DAMAGE OR LOSS DURING SHIPPING AND IS RESPONSIBLE FOR THE SHIPPING COSTS INCURRED.

Note: Condition of Sale - ProTran1 certified personnel are required to be present for any demonstrations, piloting and testing of any Portable ProTracker or ProTracker equipment.