PAK-TRACKER

FIREFIGHTER LOCATOR SYSTEM

SCOTT SAFETY

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It's one of the most dreaded and feared occurrences in firefighting—a member of the team is missing or trapped in a burning structure. There may be no response to radio calls; or even with radio response, the firefighter may be injured or disoriented and unable to find their way out. No one is sure of the firefighter's exact location and time is of the essence. Smoke and debris make visual contact impossible and there are multiple locations to consider. This scenario—being trapped or lost—is the third leading cause of death for firefighters and may be avoidable in many emergency situations if the proper tool for locating and rescuing firefighters were available to rescue teams. Now it is, with the Pak-Tracker Firefighter Location System from Scott Safety.

With the added benefit of the Pak-Tracker Locator in their arsenal, search and rescue teams can locate downed, trapped or lost firefighters, first responders or other emergency personnel quickly and efficiently regardless of the complexity of the structure or the visual conditions at the fire scene.

The Pak-Tracker Locator is a distress alarm system designed to help locate individuals at a distance of greater than 900 feet (300 meters) line of sight when they are unable to safely leave immediately dangerous to life and health (IDLH) environments. Unlike ultrasonic or infrared-based tracking systems whose signal can be scattered, deflected or blocked, the Scott Pak-Tracker Locator System operates on the principle of 2.4 GHz RF signal—high-frequency radio waves that effectively penetrate dense smoke and follows doorways and corridors. Fireground tested, the Pak-Tracker Locator is a simple, rugged two-part system consisting of a transmitter and a hand-held receiver. Search and rescue personnel use the 2.2 lb. hand-held receiver to detect the signal of the firefighter's individually-worn transmitter that is either a personally-worn pocket-sized unit or integrated into a Scott SCBA. The hand-held receiver can monitor and scroll through 36 personal transmitters so as one firefighter is found or removed from the scene, the receiver accepts the transmission of another firefighter.

The stand-alone model can be used with or without any manufacturer's SCBA. The integrated model is specifically designed for Scott's Air-Pak Fifty, Air-Pak 75 and Air-Pak NxG7 SCBAs. Extensive training is not required.

ACTIVATION

Activation of the integrated Pak-Tracker Locator transmitter is initiated by simply opening the SCBA cylinder valve charged to a minimum of 125 psi or pressing the "man-down" button and then double clicking the "reset" button. Activation of the standalone model of the Pak-Tracker Locator transmitter is initiated by removal of a magnetic tether key. Just clip one end of the tether to the jump seat and when you leave your seat, the tether pulls a magnetic switch to engage the device. A single flashing green LED and a two-tone alarm will indicate when the tether is disengaged and the transmitter is activated.

INDICATORS AND ALARMS

The ergonomically designed hand-held receiver incorporates both visual and audible signals to guide a searcher to the downed firefighter. A large LCD visually displays active transmissions (denoted by a specific I.D. number per transmitter) or the specific transmission signal of the downed firefighter being searched for. A bright LED display indicates the signal strength of the transmitter being located, while high-intensity graphical bars incrementally illuminate when signal strength is greater than 50. An additional LED indicates a low battery condition. A continuous audible tone increases in frequency as the searcher nears the downed firefighter. The transmitters employ both visual and audible indicators which activate in full transmit mode when the motion sensor of the transmitter remains motionless for approximately 30 seconds, or it can be activated manually.

POWERING THE SYSTEM

The Pak-Tracker Firefighter Locator stand-alone personal transmitter is powered by three replaceable AAA alkaline batteries. The stand-alone unit has a battery life of approximately 400 hours of normal use. The hand-held receiver is powered by a single rechargeable nickel-metal hydride battery pack, which provides approximately six hours of continuous operation. An LED indicates “Low Bat” when 20% of battery life remains. A desktop charger unit, for use with either a 110V AC or 12V DC power supply, is available for recharging the nickel-metal hydride battery pack. Full charge time is approximately two hours.

A truck charging system (TCS) is also available. Horizontally or vertically mounted in a mobile apparatus or on a wall, this charger unit is designed for easy gloved-hand mounting or dismounting of the hand-held receiver/detector. It provides secure retention of the device and satisfies the NFPA Standard for Automotive Apparatus as specified in NFPA 1901.

PAK-TRACKER

ACCOUNTABILITY AND ACCESSIBILITY

Pak-Tracker Firefighter Locator Programmers have been designed and engineered from firefighter input with the utmost user safety in mind. Both programming systems come complete with software and hardware that easily connect to any computer with a USB port.

THE PAK-TRACKER PERSONAL TRANSMITTER PROGRAMMER ALLOWS USERS TO:

- Re-program the factory set eight-character alpha-numeric identification of each personal transmitter device
- Wirelessly retrieve data stored on PASS devices (2,000 most current events per NFPA 1982, 2007)

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The Scott story. Since 1932, Scott Safety has been committed to providing outstanding, reliable safety equipment to those whose lives depend on it. Thousands of safety workers, firefighters, police, civil defense and military personnel have counted on Scott for innovative product design, best exemplified by our industry-leading Air-Pak SCBA. We've built a solid reputation on our attention to detail, rigorous quality assurance and exceptional service. The Pak-Tracker continues this proud heritage.

Pak-Tracker Firefighter Locator System	
Part Number	Description
200266-03	Pak-Tracker Firefighter Locator System Hand-held Receiver Kit (includes rechargeable battery & neck strap)
200267-01	Pak-Tracker Firefighter Locator System Personal Transmitter Kit (includes three AAA batteries & lanyard)
805796-03	Pak-Tracker Firefighter Locator System, Air-Pak Fifty SCBA Integrated Field Install Kit
805796-04	Pak-Tracker Firefighter Locator System, Air-Pak Fifty SCBA integrated, factory installed
Part Number	Charging Systems
200433-01	Hand-Held Receiver Truck Charging Systems, 12V DC
200433-02	Hand-Held Receiver Truck Charging Systems, 110V DC
200434-01	Hand-Held Receiver Desktop Charging Systems, 110V DC
Part Number	Spare Parts
200402-01	Hand-held Receiver rechargeable battery
400411453	Neck strap
200431-01	Personal Transmitter battery cover
200411-01	Personal Transmitter lanyard
Part Number	Spare Parts
200711-01	Pak-Tracker Firefighter Locator Personal Transmitter Programmer
200673-01	Pak-Tracker Link Integrated Pak-Tracker Firefighter Locator Programmer

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