



3M™ Scott™ Pak-Tracker Firefighter Locator

Question

What is the Pak-Tracker™ Firefighter Locator?

Answer

The Pak-Tracker Firefighter Locator is a “firefighter-down” system designed to help locate first responders who become incapacitated and are unable to safely leave an immediately dangerous to life and health (IDLH) environment.

In addition, the Pak-Tracker Firefighter Locator may be employed by the user to signal his or her presence when becoming lost or disoriented during emergency conditions. It is a particularly valuable tool when the user becomes separated from other team members.

Question

Is the Pak-Tracker Firefighter Locator the same as a PASS device?

Answer

No. The Pak-Tracker Firefighter Locator is designed to be used with or without an SCBA and is not intended to meet the NFPA 1982 P.A.S.S. standard requirements.

Question

What is the technology in the Pak-Tracker Firefighter Locator and why is it better than other technologies on the market today?

Answer

The Pak-Tracker Firefighter Locator uses high frequency 2.46 GHz signal to broadcast a signal that can be tracked using a secondary hand-held receiver. Unlike ultrasonic waves that bounce off all walls and ceilings, the technology in the Pak-Tracker Firefighter Locator can penetrate walls reducing a reflection in the signal that may be misinterpreted. Other devices are also distance limited.

Question

What is the location distance of the system?

Answer

Location distance greater than 900 feet line of sight.
(300 meters)

Question

How is the Pak-Tracker Firefighter Locator’s stand-alone personal transmitter activated?

Answer

SCBA users, such as firefighters, often arrive at hectic emergency situations. With the Pak-Tracker Firefighter Locator’s tether activation, all you have to do is clip one end of the lanyard to the jump seat. When you get out of your seat, the tether is pulled and a magnetic switch automatically activates the Pak-Tracker Firefighter Locator.

Question

How is the Pak-Tracker Firefighter Locator’s SCBA integrated system activated?

Answer

The integrated component is initiated by either opening of the valve of an SCBA cylinder charged to a minimum pressure of 125 psig or can be manually activated by pressing the “firefighter-down” button and then double clicking the “reset” button.

Question

How does a user know the Pak-Tracker Firefighter Locator stand-alone personal transmitter is activated?

Answer

A single green LED will flash and a two tone sound will be emitted when the tether is pulled.

Question

What is the principal of operation of the stand-alone system?

Answer

Just like Scott Pak-Alert SE+ P.A.S.S. device, the Pak-Tracker Firefighter Locator monitors the SCBA user’s motion. If the personal transmitter sensor fails to detect motion for approximately 30 seconds, it will signal a two-tone audible chirp and an illuminating red LED. The hand-held receiver then receives a directional signal from the personal transmitter.

Question

How many personal transmitters can the hand-held receiver monitor?

Answer

The hand-held receiver can monitor and scroll through 36 personal transmitters.

Question

What about a user who is incapacitated?

Answer

If no movement is detected, the system goes into full transmit mode. A two-tone, audible indicator is generated at 80-85 dBA and a red LED illuminates. Once in full transmit mode, the system can only be reset by simultaneously depressing the buttons twice.

Question

How long will full transmit continue?

Answer

The system's dual audible and visual alarms will continue to signal the presence of an incapacitated user for minimum of up to 16 hours at full sound level with new batteries.

Question

Can the system's full alarm be activated by a user in trouble, but not incapacitated?

Answer

Yes. By simply simultaneously depressing the two side buttons on the personal transmitter on the stand-alone or pressing the "full-alert" button on the integrated version's console, the system will go into full transmit mode. Manual operation of the system is important in the event the user becomes lost or disoriented, or otherwise requires emergency assistance.

Question

What approvals does the hand-held receiver and personal transmitter have?

Answer

Pak-Tracker Locator's hand-held receiver has IS Division II (UL 1604); Atex Zone 2 (EN60079-0 & EN 60079-15). The Pak Tracker Locator's personal transmitter has IS Division I (UL 913); Atex Zone 0 (EN 50014 & EN 50020).

Question

How many batteries are used to power the system?

Answer

The Pak-Tracker Firefighter Locator's personal transmitter is powered by three 'AAA' Alkaline batteries that are user replaceable and intrinsically safe. The hand-held receiver uses rechargeable NiMH batteries.

Question

What are the service requirements of the Pak-Tracker Firefighter Locator System?

Answer

Both the hand-held receiver and personal transmitter were designed to be easy to maintain and service. The only required serviceable components on both are simple battery replacement or recharging.

Pak-Tracker Personal Transmitter battery life (approximate)	
Pak-Tracker Locator function	AAA Alkaline Battery
Normal operation with activated system (green illuminating LED)	400 Hours*
* Three fully charged batteries.	
Pak-Tracker Hand-Held Receiver battery life (approximate)	
The following list compares Pak-Tracker operation with the two types of batteries.	
Pak-Tracker Locator function	Rechargeable Battery
Non-tracking mode	12 Hours*
Tracking mode	6 Hours*
* Fully charged batteries.	

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