



Excellence in Compliance Testing

Certification Exhibit

**FCC ID: U5PKEVSPASS
IC: 7307A-KEVSPASS**

**FCC Rule Part: 15.249
IC Radio Standards Specification: RSS-210**

ACS Report Number: 08-0118

Manufacturer: Avon-ISI
Model: 125181

Manual



1. Description

- 1.1. The RAP (Remote Auto PASS) is an automatic distress alarm. It will emit a warning sound if the wearer stops moving or depresses the panic alarm. In order to use the RAP all you have to do is turn on the air cylinder.
- 1.2. The RAP is NOT an NFPA 1982 compliant PASS device and cannot be used as a substitute.
- 1.3. The RAP will only work in conjunction with a properly configured wireless console.

2. What It Does

- 2.1. The RAP only works in conjunction with an AVON-ISI product that has a wireless console system. It cannot be used independent of this console.
- 2.2. It will only work when the console has a matching PANID number and has been configured to use the RAP.
- 2.3. Is automatically activated by the console when the SCBA is pressurized.
- 2.4. Makes an alarm sound and flashes lights.
- 2.5. Can only be completely deactivated when cylinder pressure is removed and the lowest two console buttons are depressed simultaneously.

3. Operation

- 3.1. Attach the RAP to your SCBA using the D-ring. Suggested attachment methods are a locking carabiner, or Gear-Keeper Add-a-Clip. Whatever is used the RAP must be oriented with battery compartment against the user. The attachment method used must also be compatible with the intended environment.
- 3.2. The console controls most functions of the RAP.
- 3.3. The RAP and console must have matching PANID numbers.
- 3.4. The console must be configured to use the RAP.
- 3.5. The RAP will sound an alarm when certain conditions are met.
 - 3.5.1. No motion of the console for 25 seconds will cause a pre-alarm. If the console does not sense motion for a total of 35 seconds full alarm will sound.
 - 3.5.2. The RAP will also sound if the console panic button is depressed.
- 3.6. The alarm may be silenced by either simultaneously depressing the two buttons on the RAP or the two bottom most console buttons. Silencing the alarm will NOT deactivate it.
- 3.7. Low battery is indicated by both the console and the HUD. However, you will not know whether the batteries in the console or the RAP need replacing. **NOTE:** If you have TEAMS or a STACHEK you can determine which device has a low battery.
- 3.8. Once you have determined that the batteries in the RAP need replacing, they must all be replaced immediately. Once the batteries are indicated low the unit is capable of operating

in alarm mode continuously for at least 2 hours. If the RAP is used in the low battery state this time will be shorter.

4. Changing The Batteries

- 4.1. Remove the four battery cover screws and the battery cover.
- 4.2. Remove and dispose of the old batteries in accordance with all local laws.
- 4.3. Replace all the batteries at the same time. Use only Duracell MN1500 or Energizer E91 AA batteries. Orient the batteries as shown in the battery compartment. The compartment is designed to only allow correct installation of the batteries. DO NOT force the batteries in the wrong way.
- 4.4. Replace the battery cover. Make sure that the gasket is still attached to the cover and clean. Make sure that the seal area on the RAP is clean. Do not over tighten the screws.

5. Troubleshooting

- 5.1. When new batteries are installed in the RAP it goes through a self test procedure that can be used to determine if it is functioning correctly.
 - 5.1.1. It will chirp – if it fails to chirp there may be a problem with the speaker, the unit itself or the batteries.
 - 5.1.2. It will flash the lights –
 - 5.1.2.1. If the lights fail to flash but the unit has made a chirp sound the unit must be sent to a repair center.
 - 5.1.2.2. If the unit did not chirp and the lights failed to flash then either the unit itself must be repaired or the batteries must be replaced.
 - 5.1.2.2.1. Check the batteries to make sure they are installed correctly.
 - 5.1.2.2.2. Make sure all the batteries are good. A single bad battery will prevent the system from working properly.
 - 5.1.2.2.3. If the batteries are good and installed correctly but the unit still doesn't work then it must be sent to a repair center.
 - 5.1.3. When the lights flash depress one button. It must chirp. Once it has chirped, press the remaining button. The unit must chirp again. If it fails to chirp in either case – the buttons are not functioning correctly and the unit must be returned for repair. If you do not depress the buttons in response to the lights flashing it will not chirp again but will still function. However, you will not know if the RAP buttons are functioning correctly.

6. Regulatory Information

Warning:

Changes or modifications to this device not expressly approved by (Avon - ISI) could void the user's authority to operate the equipment.

NOTE:



This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Industry Canada Specific Statements:

This Class B digital apparatus meets all requirements of the Canadian Interference Causing Equipment Regulations. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Cet appareillage numérique de la classe B répond à toutes les exigences de l'interférence canadienne causant des règlements d'équipement. L'opération est sujette aux deux conditions suivantes: (1) ce dispositif peut ne pas causer l'interférence nocive, et (2) ce dispositif doit accepter n'importe quelle interférence reçue, y compris l'interférence qui peut causer l'opération peu désirée.