



April 13, 2011

## **IMPORTANT SAFETY NOTICE UPDATE**

**To: All Users of Sperian Warrior Self-Contained Breathing Apparatus (SCBA) Equipped with the Sperian IntelliPASS™ Personal Alert Safety System (PASS)**

The purpose of this Important Safety Notice Update is to advise you of changes to the Important Safety Notice issued by Sperian Respiratory Protection on October 11, 2010. That Important Safety Notice dealt with a potential safety issue with the Sperian IntelliPASS Personal Alert Safety System (PASS) used with Sperian Warrior SCBAs. *That notice did **not** and this update does **not** apply to the COMPASS PASS device used with Survivair Panther™ SCBAs.*

The Important Safety Notice of October 11, 2010 stated that there are certain rare conditions under which defective batteries or remaining battery life may not be detected properly by IntelliPASSes manufactured prior to April 1, 2010. These circumstances only occur in used batteries toward the end of the useful battery life. It is possible that a Warrior could have batteries with low voltage that seem to be working properly, but when attempting to go into full PASS alarm, the IntelliPASS will shut down and reset to sensing mode, either immediately or after a few full alarm cycles.

The Important Safety Notice issued on October 11, 2010 also stated that even though such occurrences are unlikely, Sperian is requiring that all users of Warriors with the IntelliPASSes manufactured before April 1, 2010 take immediate corrective action. The Important Safety Notice stated that users may return their front IntelliPASS module (the electronic module that contains the analog pressure gauge) to Sperian for a firmware upgrade or have the firmware upgrade done in the field by Sperian or Sperian-authorized personnel. The firmware upgrade was to ensure that the IntelliPASS will provide a low battery status when it is supposed to. These previous statements and requirements have been changed as follows:

**PLEASE NOTE THESE IMPORTANT CHANGES TO THE IMPORTANT SAFETY NOTICE OF OCTOBER 11, 2010: In addition to IntelliPASSes manufactured before April 1, 2010, IntelliPASSes manufactured after April 1, 2010 also fall within the scope of the Important Safety Notice of October 11, 2010. Sperian and Sperian-authorized personnel will no longer be performing a firmware upgrade in the field. We are continuing to work on a permanent solution to the issue described above. Sperian will be providing you with information on action you should take as soon as work is completed on the solution. In the meantime, please read and follow the instructions on the next page to ensure that your IntelliPASS is safe to use.**

**The temporary measure described in the Important Safety Notice of October 11, 2010 remains the same.** Replace all batteries immediately with four new batteries. This should allow you to use the IntelliPASS for up to two months of normal functioning (based on a use rate of 30 minutes per day) without experiencing this issue. Higher use rates or frequent use of the IntelliPASS in pre-alarm or alarm mode may shorten the life of the batteries to less than two months. In such cases, batteries should be replaced more often. *Your local authorized Sperian Warranty Service Center will continue to provide you with a set of batteries per SCBA at no charge. Use only "C" type Duracell alkaline MN1400 or Procell alkaline PC1400 batteries.* Any other batteries may compromise the safety of the IntelliPASS and will void intrinsic safety certification. *If need be, Sperian and its Warranty Service Centers will provide you with replacement batteries on an ongoing basis until you receive instructions for a permanent solution.*

Each time you replace batteries in the Warrior, **you must follow the IntelliPASS Functional Test procedure outlined below.** This will ensure that your IntelliPASS is functioning properly and that the batteries are not defective or depleted. The IntelliPASS Functional Test only takes a few minutes to complete.

**IMPORTANT:**

- **The IntelliPASS Functional Test procedure must be performed once a month until you receive further instructions from Sperian.**
- **The IntelliPASS Functional Test procedure must also be performed when you replace batteries.**

**IntelliPASS Functional Test**

- Start the test with the SCBA deactivated and depressurized. No air pressure should be applied to the SCBA during this test.
- Ensure the amber Battery Status Indicator LEDs on the HUD Transducer Module and Front PASS are flashing at a rate of approximately once every 10 seconds (see Figures 1 and 2).



Figure 1



Figure 2

- This indicates the battery level is good. If the LEDs are flashing at a rate of approximately once every 2-3 seconds or more frequently, one or more of the new batteries may be defective. Discard all four batteries and insert new batteries.
- Press the red "ALARM" button on the Front PASS to put the IntelliPASS into full alarm mode (see Figure 2).

- While the IntelliPASS is in full alarm mode, ensure that the red LEDs are flashing and the piezoelectric audible alarms are sounding on both the Front PASS and the Back PASS (see Figures 3 and 4). This verifies that the full alarm mode is functioning properly.



Figure 3

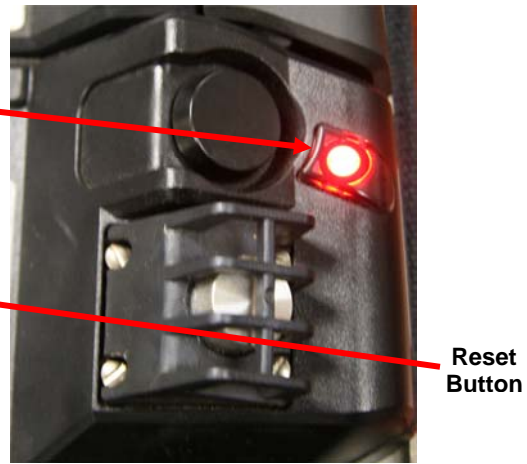


Figure 4

- After at least 5 cycles of full alarm, double press the yellow "RESET" button on the Front PASS (see Figure 3).
- After double pressing the yellow "RESET" button on the Front PASS, ensure that the IntelliPASS enters sensing mode. In this mode only the green LEDs should be flashing (see Figures 5 and 6). The piezoelectric audible alarms should not be sounding at all. The amber Battery Status Indicator LED should not be flashing on the Front PASS, but should be flashing approximately once every 10 seconds on the HUD Transducer Module.

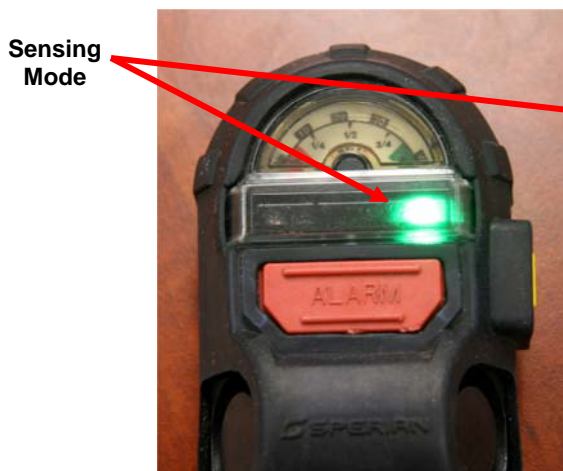


Figure 5



Figure 6

- Allow the IntelliPASS to go into stage 1 of pre-alarm mode. Both green and red LEDs should be flashing, and the piezoelectric audible alarms should be sounding on both the Front PASS and the Back PASS. The amber Battery Status Indicator LED should not be flashing on the Front PASS at all.
- Do not allow the IntelliPASS to go into stage 2 of pre-alarm mode. Shake the Front PASS. Ensure that the IntelliPASS goes back into sensing mode again.

- Once again, allow the IntelliPASS to go into stage 1 of pre-alarm mode. Both green and red LEDs should be flashing, and the piezoelectric audible alarms should be sounding on both the Front PASS and the Back PASS, but the amber Battery Status Indicator LED should not be flashing on the Front PASS at all.
- Do not shake the Front PASS. Allow the IntelliPASS to go into stage 2 of pre-alarm mode. Both green and red LEDs should be flashing, and the piezoelectric audible alarms should be sounding on both the Front PASS and the Back PASS with a louder sound pressure level than stage 1. The amber Battery Status Indicator LED should not be flashing on the Front PASS at all.
- Do not shake the Front PASS. Allow the IntelliPASS to go into stage 3 of pre-alarm mode. Both green and red LEDs should be flashing, and the piezoelectric audible alarms should be sounding on both the Front PASS and the Back PASS with the loudest sound pressure level of the three pre-alarm stages. The amber Battery Status Indicator LED should not be flashing on the Front PASS at all.
- Do not shake the Front PASS. Allow the IntelliPASS to go into full alarm mode. Only the red LEDs should be flashing and the piezoelectric audible alarms should be sounding on both the Front PASS and the Back PASS. The amber Battery Status Indicator LED should not be flashing on the Front PASS at all.
- Double press the “RESET” button to reset the IntelliPASS back to sensing mode.
- Ensure the amber Battery Status Indicator LED on the Front PASS is not flashing at all. Only the green LEDs should be flashing.
- Double press the “RESET” button again to shut the IntelliPASS down.
- Ensure the amber Battery Status Indicator LEDs on the HUD Transducer Module and Front PASS are flashing at a rate of approximately once every 10 seconds. This indicates the battery level is good.

### **Battery Replacement**

Immediately replace all 4 batteries with 4 brand new Duracell MN1400 or Procell PC1400 “C” size batteries in any of the following cases:

- If the low-battery LED is flashing on the Heads-Up Display (HUD)
- If the amber Battery Status Indicator LEDs on the HUD Transducer Module and Front PASS are flashing once every 2-3 seconds while the Warrior is deactivated
- If there is a brief beep of the piezoelectric sounder, and the amber Battery Status Indicator LEDs on the HUD Transducer Module and Front PASS flash once every 2-3 seconds while the Warrior is powered on
- If there is a brief beep of the piezoelectric sounder, and the amber Battery Status Indicator LEDs on the HUD Transducer Module and Front PASS flash once every 2-3 seconds during the IntelliPASS Functional Test described above

**IMPORTANT: The IntelliPASS Functional Test procedure must be performed when you replace batteries.**

Sperian Respiratory Protection (formerly known as Survivair Respirators LLC) is providing this information in the interest of your safety. We apologize for any inconvenience. All questions should be directed to **Sperian Technical Services** at **(800) 394-0410**.

Sincerely,



Steven H. Weinstein  
Technical Services Manager