



HeartSine®

Lifesaving technology designed for the real world



### **Technical Note Ref: Low Temperature Operation**

The following note applies to the HeartSine samaritan® PAD devices that have serial numbers starting with 08A or 09A. If during operation the samaritan® PAD delivers the voice prompt ‘Warning Low Battery’, and is suspected to have been subjected to a cold environment (below 10°C), it may still be capable of operating correctly and safely; subject to the storage and operating temperature recommendations below.

#### **Note: When the ‘low battery’ voice prompt is played the status indicator will begin to flash red.**

If the samaritan® PAD is returned to the recommended storage temperature range (10 to 50°C) when next switched on, either manually or by automatic self test, the flashing red LED should have changed to green, therefore indicating the self-test to be completed successfully.

The warning is not related to low temperature if the status indicator continues to flash red or the voice prompt ‘Warning Low Battery’ continues. In this instance contact your authorised HeartSine distributor or HeartSine Technologies’ Technical Support directly. If the samaritan® PAD is being used for an emergency response and ‘Warning Low Battery’ is heard, continue with CPR and defibrillation therapy with the device.

The samaritan® PAD may be capable of delivering ten defibrillation shocks or less when the prompt ‘Warning Low Battery’ is heard.

#### **Note: While the samaritan® PAD continues to operate it will deliver safe and appropriate therapy.**

If you have a spare Pad-Pak™ (battery and electrode cartridge) be prepared to replace the Pad-Pak™ battery.

In cold conditions ensure any spare Pad-Pak™’s are kept in line with recommendations stated below until required.

#### **Standby Conditions:**

The upgraded samaritan® PAD should be stored at a temperature of between 10 and 50oC (50 to 122oF). Heartsine recommend that if possible the device is stored at a comfortable room temperature as this will ensure the peak performance for both the samaritan® PAD and the Pad-Pak™.

#### **Low Temperature Operation:**

If the samaritan® PAD has been kept in accordance with the Standby Conditions (above), for a period of at least 24 hours, it may be used in responses where the ambient temperature is between 0 and 50 oC (32 to 122oF). In this situation it may be safely used in the lower temperature range for a period of up to 1 hour after it has been exposed to the lower temperature.

#### **Shipping and Transportation Temperature:**

The samaritan® PAD may be temporarily stored in the range -10 to 50oC (14 to 122oF) for up to two days.

If you believe that the samaritan® PAD has been stored below 10oC (50oF) it should be returned to an ambient temperature of between 10 and 50oC (50 to 122oF) for a period of at least 24 hours before the device is considered ready for use.

Long term storage outside the temperature range 10 to 50°C may adversely affect the performance of the device.

**Note: When considering location, avoid areas that expose the samaritan® PAD to extreme moisture, dust or temperatures.**