

Technical Operation

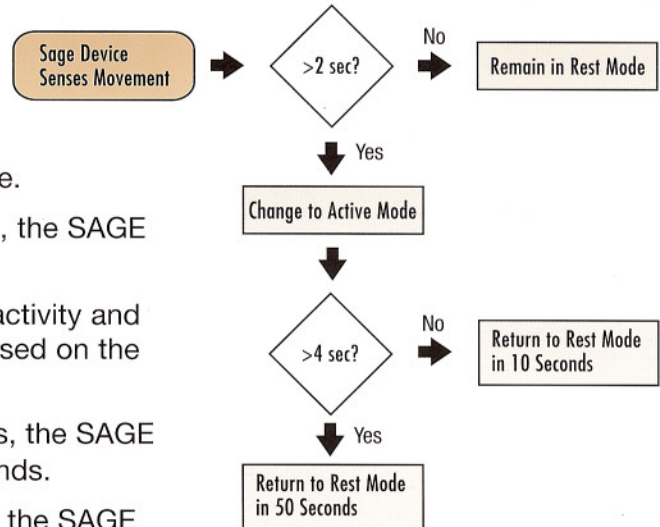
The SAGE Oxygen Therapeutic Device utilizes a motion sensor and a unique software algorithm to monitor the user's activity, based on duration of movement. This method allows the SAGE device to distinguish between accidental bumps and true ambulation.

The software determines when to deliver at the active mode setting based on the following criteria:

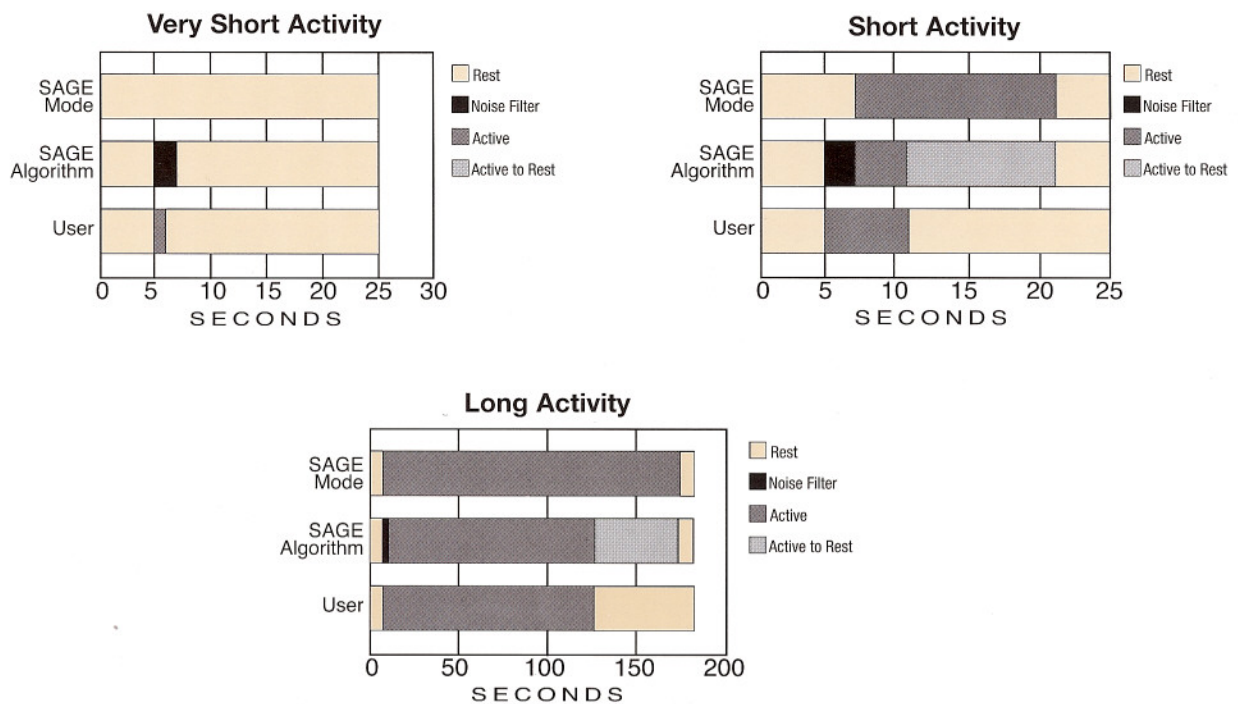
- If motion occurs for less than 2 seconds, the SAGE device remains in the rest mode.
- If motion occurs for more than 2 seconds, the SAGE device switches to the active mode.

The software then monitors the duration of activity and returns to rest mode after activity ceases based on the following criteria:

- If activity lasted between 2 and 4 seconds, the SAGE device reverts to rest mode after 10 seconds.
- If activity lasted for more than 4 seconds, the SAGE device reverts to rest mode after 50 seconds.



Below are examples of the delivery patterns for three different types of activity:



For more information on the clinical theory behind the SAGE device, please see the "Clinical Concept" and "Clinical Support" pages.