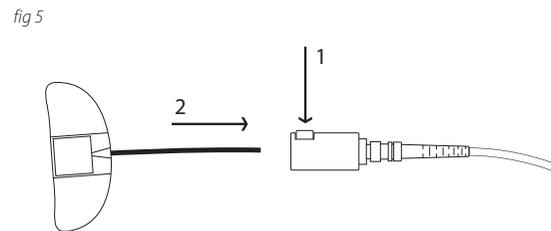
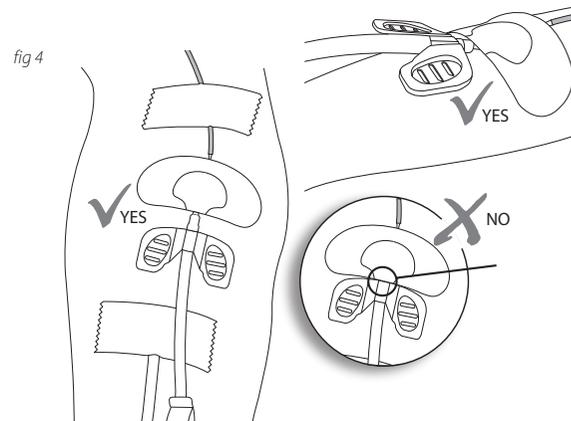
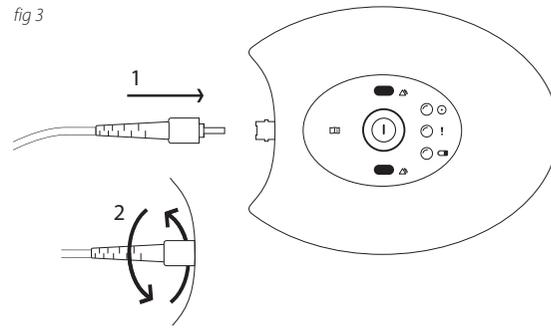
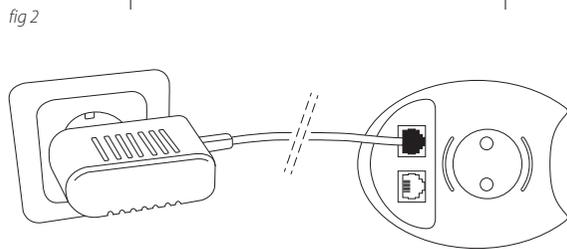
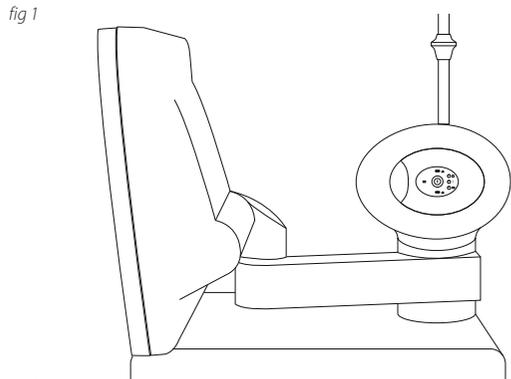


1. How to connect

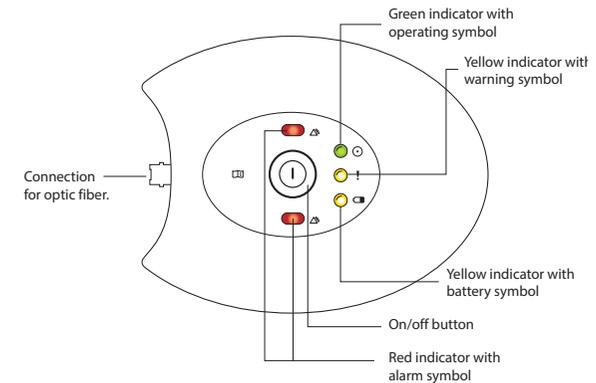
- 1 Attach the alarm unit to the machine's IV Pole (fig 1)
- 2 Connect the A/C adapter to a working wall outlet (fig 2)
- 3 Connect the fiber optic extension cable to the alarm unit: Make sure all of the protective cover pieces are removed from each end if it is a new extension before proceeding. Line up the small raised dots on the hub of the coupling and on the end of the fiber optic extension. Turn the coupling roughly a 1/3 turn to lock it (fig 3).
- 4 Push the on/off button. (2 times). There will be a blinking green light and a the intermittent sound.
- 5 Connect the sensor to the fiber optic cable by pushing in the locking button. Insert the stem of the sensor into the end of the extension until you meet resistance. Release when the sensor is fully inserted. the intermittent sound will stop.
- 6 Apply the sensor patch with the absorbent part centered over the venous needle puncture site. Do not cover the wings of the needle (fig 4). Make sure that the needle is secured as per your SOP.



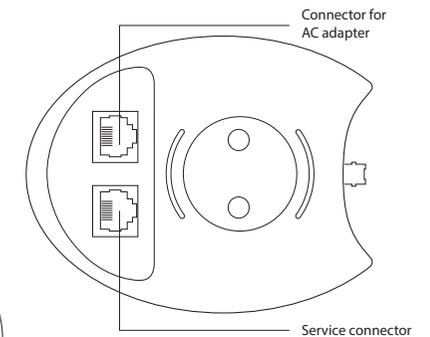
2. How to disconnect

- 1 Press the on/off button on the device. The green light will go out.
- 2 Disconnect the sensor patch from the fiber optic extension by depressing the locking button while pulling the stem out of the fiber optic extension. fig 3)
- 3 Clean the fiber optic extension fiber and alarm unit after each use with a damp cloth moistened with an alcohol-based disinfectant or wipe. The sensor patch can be disposed as per your SOP for dialysis waste.

Symbol and terms



Note:
To stop the Redsense alarm turn of the alarm unit by pressing the start button for one second.



Redsense is a system for monitoring the venous needle during hemodialysis. In the event where blood comes in contact with the sensor the device will sound the alarm to alert you of the situation so you can take appropriate actions. These steps are set out in your instructions for use that came with the product.

Redsense Medical AB
info@redsensemedical.com
www.redsensemedical.com

Mounting Redsense

A flashing green indicator light indicates that the alarm unit is performing a self-test. During this test, a number of parameters are checked that may eventually need to be adjusted. These are displayed when the following lights and symbols appear:

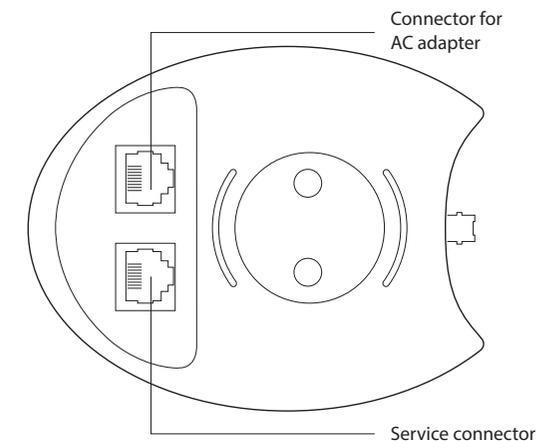
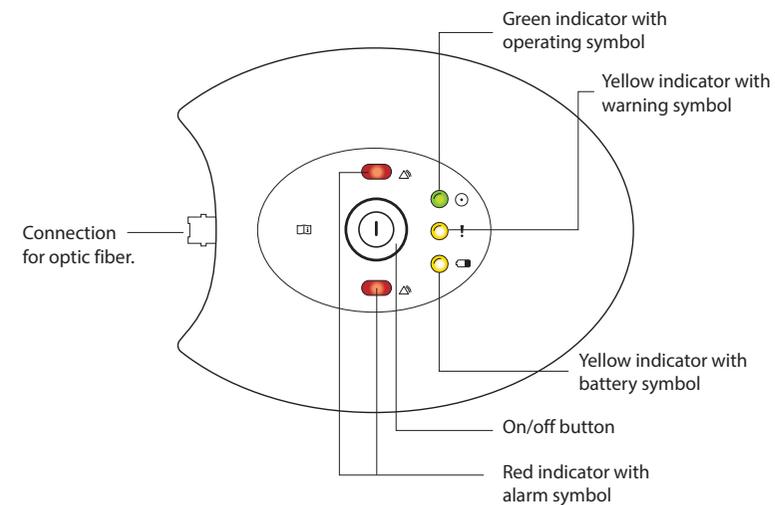
- The yellow indicator light, which is marked with a warning symbol, can indicate any of the following: Moisture has come in contact with the sensor. The sensor has come loose, is not connected or has been broken. The optical extension fiber is not connected correctly.
- If all of the indicator lights are flashing, an internal error has been detected. Contact Redsense Medical for additional support.

Any problems must be corrected before attempting to restart the alarm unit. If blood or moisture has come in contact with the sensor, it must be replaced with a new sensor. If some other technical problem occurs, do not use the alarm unit, rather switch to another Redsense alarm unit and contact Redsense Medical for additional support.

During dialysis

While the unit is running, the green indicator light will light up continuously, and in the event of an error the following alarm signals may be heard:

- The red indicator lights followed by a continuous alarm signal, indicate that blood has been detected by the sensor, either because the venous needle has been dislodged or leakage has occurred. First, deal with the leak and then turn off the alarm by holding in the button for at least 1 second.
- The yellow warning indicator light followed by an intermittent alarm signal indicates one of the following: Moisture has come in contact with the sensor. The sensor has come loose, is not connected or has been broken. The optical extension fiber is not connected correctly. Turn off the alarm by keeping the on/off button pressed, fix the cause of the alarm and then restart the alarm unit.
- The yellow warning indicator together with the battery indicator, followed by an intermittent alarm signal, means that the alarm unit is no longer receiving power from the AC adapter, which means that monitoring can no longer be performed correctly. In this case, turn off the alarm unit by keeping the button pressed in, then fix the cause of the AC power failure for the alarm unit.
- If all the indicator lights are flashing, followed by an intermittent alarm signal, this indicates an internal error. Turn off the alarm unit in the button and continue running the dialysis without monitoring with Redsense. Contact Redsense Medical for additional support.



Redsense is a system for monitoring the venous needle during hemodialysis. In the event where blood comes in contact with the sensor the device will sound the alarm to alert you of the situation so you can take appropriate actions. These steps are set out in your instructions for use that came with the product.