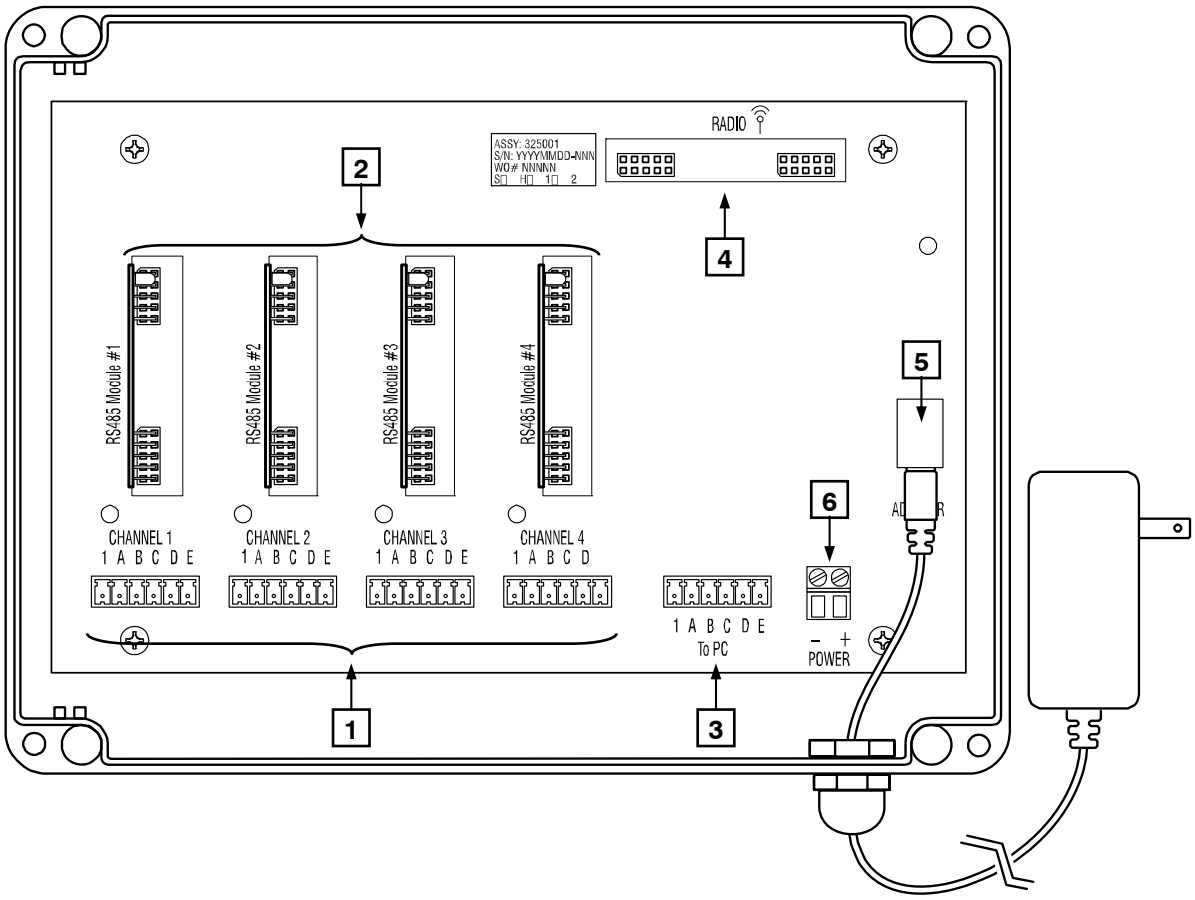
Communication Hub repair kit installation guide

The Communication Hub repair kit (K325001) is a replacement main circuit board for your Phason Communication Hub.

PCH layout



1	**Communication channel connectors:** Connect the communication wiring for the channels to these connectors.
2	**RS485 Modules:** There is one RS485 Module for each communication channel. If one of the channels is not working, you might need to replace the RS485 module. For more information, contact your dealer or Phason customer support.
3	**TO PC connector:** Connect the communication wiring for the RS485 FD to this connector.
4	**RF communication socket:** If you are using RF communications and Phason PWAs, connect the RF Module to this socket.
5	**DC adapter:** Make sure the 9 VDC adapter is connected to the circuit board. Connect the other end to a 120 VAC outlet.
6	**Optional power connector:** If you will be using a Phason Regulated Power Supply (RPS) to power the Communication Hub, connect it here.

Removing the old circuit board

1. Remove the four screws in the front cover and then remove the cover.
2. Unplug the adapter from the circuit board.
3. Label the cables connected to the **TO PC** and communication channel connectors.
4. Disconnect the communication plugs from the **TO PC** and communication channel connectors.
5. Unplug the four RS485 Modules and then set them carefully aside.
6. If equipped, unplug the RF Module and then set it carefully aside.
7. Remove the four screws fastening the circuit board to the enclosure.
8. Remove the circuit board from the enclosure.

Installing the new circuit board

1. Remove the new circuit board from the bag.
2. Place the new circuit board in the enclosure.
3. Fasten the circuit board to the enclosure using the four screws.
4. Plug in the four RS485 Modules.
5. If equipped, plug in the RF Module.
6. Connect the **TO PC** and communication channel plugs to the connectors on the circuit board.
7. Verify all modules and communication plugs are properly connected to their correct locations.
8. Plug in the DC adapter to the circuit board.
9. Verify that all communication channels are functioning properly. For information about how to verify communication using Test Bench, read the *Troubleshooting* section in the back of your **OMNI-Select user manual**.
10. Fasten the cover to the enclosure using the four screws.

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