The remote-control assembly is relatively straightforward and simple in design and easy to repair following the schematic drawing arrangement provided above. There are five controls for the PHQ36 Independent Rotation drilling machine. They are all contained in a single remotely operated control panel:

1 **Rotation** - Lever forward to rotate drill rod clockwise.  
   Lever back to rotate drill rod counterclockwise.

2 **Flushing** - Lever forward to active water flushing.  
   Lever back to active air flushing.

3 **Centralizer** - Lever forward to open the centralizer.  
   Lever back to close centralizer.

4 **Drill Feed** - Lever forward to move the drill forward.  
   Lever back to move the drill backwards.

5 **Percussion** - Lever forward to active the percussion.  
   Lever back to stop the percussion.

1) Inlet air from dual ports exiting the F61 lubricator are connected to both ends of the remote-control panel with 2” (51mm) high pressure hoses.

2) The rotation motor on the drill is connected with 1” (25mm) high pressure hoses.

3) The air and water flushing is connected with 1” (25mm) high pressure hose.

4) The Centralizer is connected with ½” (13mm) high pressure hoses.

5) The Feed is connected with ¾” (19mm) hoses.

6) The Percussion is connected with 1 ½” (38mm) hose.