

Instruction Sheet

Subject: Remote Communication Hardware Installation Kit Instructions

Models affected: Japan LOV Fryers

Follow these instructions to install the remote communication kit.

1. Disconnect the fryer from the electrical power supply and remove fryer from the hood to gain access to the rear and sides of the fryer.
2. If the Itto Can heater is removed skip to step 7. If not proceed to step 3.
3. Detach the two-pin connection on the rear of the melting unit (see Figure 1).
4. Remove the 4 – 7/16” nuts attaching the female pickup assembly and shield (see Figure 2).
5. Remove the six Phillips head screws attaching the melting unit to the bottom of the interior rails (see Figures 3 and 4).
6. Remove the female pickup assembly off the studs and up and over the melting unit, allowing the melting unit to slide forward and out of the fryer cabinet (see Figure 5).
7. Position and slide the communication box onto rear shelf of the top off pump mounting base. Ensure the curved break on the communication box slides onto the mounting base with the two mounting holes toward the front of the fryer (see Figure 6).
8. Mark the holes with a marker for drilling. If the holes are already pre-drilled skip to step 10.
9. Using a right angle drill and supplied self-tapping screws to drill the mounting holes for the communication box (see Figure 7).
10. Attach the communication box using supplied screws to the top off pump mounting base (see Figure 8).
11. If the power supply and harness are already installed, the harness to connect to the communication box will be wire tied to the rear of the top off pump area. If so skip to step 23. If not proceed to the next step.
12. Remove the two screws securing the FIB box cover to gain access to the FIB box components (see Figures 9 and 10).



Figure 1



Figure 2



Figure 3



Figure 4



Figure 5



Figure 6



Figure 7



Figure 8

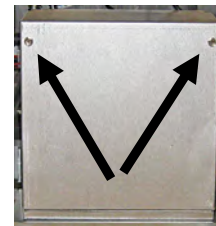


Figure 9



Figure 10

13. Guide the supplied harness with the 6-pin female CAN connector, the green ground wire and the black and white wires through the upper right grommet as shown (see Figure 11).
14. Attach supplied white and black wires to left side of supplied power supply as shown. Ensure the white wire is attached to terminal marked ACN. Ensure the black wire is attached to terminal marked ACL (see Figures 12 and 13).



Figure 11

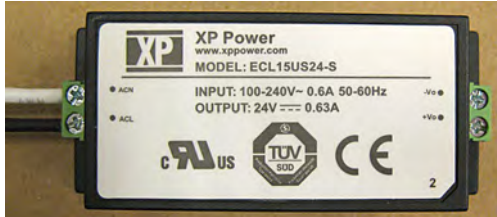


Figure 12



Figure 13

15. Attach the fused link to the right side of the power supply to the terminal marked +Vo. Attach a wago to the other end of the fused link. Connect the white wire from the harness in step 13 to wago. Connect the black wire from the harness in step 13 to the terminal marked -Vo on the right side of the power supply (see Figures 12 and 14).

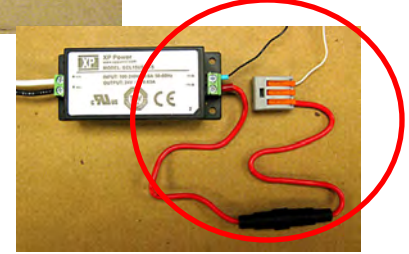


Figure 14

16. Disconnect the black and white incoming line voltage wires from the large transformer directly in front of the FIB board. Attach a supplied piggy back connector and reconnect the line voltage wires (see Figure 15).
17. Attach the wires shown in Figure 13 above to the piggy back connectors in the previous step. Ensure the wires are attached with corresponding colors (see Figure 15).



Figure 15

18. Remove the terminator with the 120 ohm resistor from J4 (see Figure 16). Attach the terminator to another nearby cable with a wire tie for future use.
19. Attach the RJ telephone style connector from the harness in Figure 11 to J4 connector occupied by the terminator in the previous step (see Figure 17).



Figure 16



Figure 17

20. Attach supplied VHB double sided tape to bottom of supplied power supply.
21. Peel off the opposite side of tape and mount the power supply to the left side wall of the FIB box (see Figure 18).



Figure 18

22. Remove the nut securing the ground wire spades to the FIB box. Attach a new spade, tighten the nut and attach the ground wire from the new harness in Figure 11 (see Figure 18).



Figure 19

23. Attach the other end the communication/power harness to the communication box by inserting the LAN connection and twisting the connection housing to secure (see Figures 19 and 20).



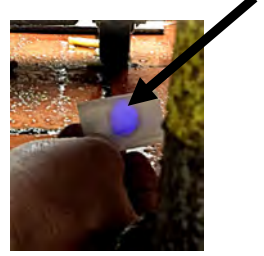
Figure 20

24. Lower the far right controller on the fryer by removing the screws from the upper corners.
25. Loosen the lower right screw on the rear of the controller. Attach the antenna bracket as shown (see Figure 21).



Figure 21

26. Attach antenna wire to antenna connector if not connected (see Figure 8).
27. Reverse steps to reassemble and return fryer to operation.
28. Once the fryer is powered up, look for the blue LED light emitting from the communication box onto the floor ensuring it is powered up. It may be necessary to use a mirror or piece of paper held under the box to see blue LED light on bottom of communication box (see Figure 22).

**Figure 22**