Installation Instructions for Model 0895 Sealing Kit in FPM Encased Controls

Purchase Date

Installed By

With the Model 0895 Sealing Kit installed, your FPM encased control is protected from dust and splashing water. It can be used in the same environment as Bodine's IP-44 rated DC motors and gearmotors, resulting in an IP-44 rated motor/control system.

WARNING
Disconnect power to the control before installing the Local Remote Control Kit or doing any work on the control or motor.

KIT CONTENTS

Part Description	Quantity	Use For Sealing	
Sealing boot	2	• On/Off Switch • Start (Toggle) Switch (If provided)	
Sealing nut	2	• Speed Potentiometer • Local/Remote Switch (If provided) • Forward-Brake-Reverse (F-B-R) Switch (If provided)	

Tools required for installation

- Ratchet wrench with 1/2-inch and 5/8-inch sockets (1" deep) or box wrench
- 1/4-inch nut driver or socket
- Torque wrench with a range of 5-25 lb-in. *(1/2-inch and 5/8-inch sockets)*
- Pliers
- Small screwdriver

To seal the speed potentiometer, F-B-R switch (if provided), and local/remote switch (if provided), follow this procedure:

1. Remove all knobs by loosening set screws with a small screwdriver.
2. Loosen the four enclosure cover screws using a 1/4-inch nut driver and open the cover.
3. Hold the body of either the potentiometer (or F-B-R Switch or Local/Remote Switch) securely to the front cover with one hand from inside the front cover. With the other hand, use a 1/2-inch socket or box wrench to loosen the nut that holds it to the front cover.
4. While continuing to hold the body of the potentiometer (or F-B-R Switch or Local/Remote Switch) securely to the front cover with one hand from inside the front cover, remove the nut and replace it with a sealing nut. Finger tighten only.
5. Using a torque wrench with 1/2-inch socket, tighten the sealing nut to 8-12 lb-in. Don't overtighten the nut, as that could prevent proper sealing.
6. Replace the knob. Make sure that the set screw in the knob engages the flat portion of the shaft, and tighten the set screw.

To seal the on/off switch or start switch (if provided), follow this procedure:

7. Hold the body of the switch securely to the front cover with one hand from inside the front cover. With the other hand, use pliers to loosen the knurled nut that holds the switch to the front cover.
8. While holding the body of the switch securely to the front cover with one hand from inside the front cover, remove the nut and discard it.
9. While holding the body of the switch securely to the front cover with one hand from inside the front cover, place a sealing boot over the switch wand and tighten it finger tight.
10. Using a torque wrench with 5/8-inch socket tighten the sealing boot to 15-20 lb.-in. For a good seal, do not overtighten.
11. You may now make electrical connections. For protection against splashing water, liquid-tight 1/2-inch conduit fittings *must* be used. The rubber grommet *must* be replaced with a liquid-tight conduit fitting. After making electrical connections, installing fuses, and setting up the control for use with your motor or gearmotor, tighten the cover screws to 18-22 lb-in.