

Instructions for Installing or Replacing an EMVII Actuator

⚠ WARNING



Read this Manual BEFORE using this equipment. Failure to read and follow all safety and use information can result in death, serious personal injury, property damage, or damage to the equipment. Keep this Manual for future reference.



⚠ WARNING

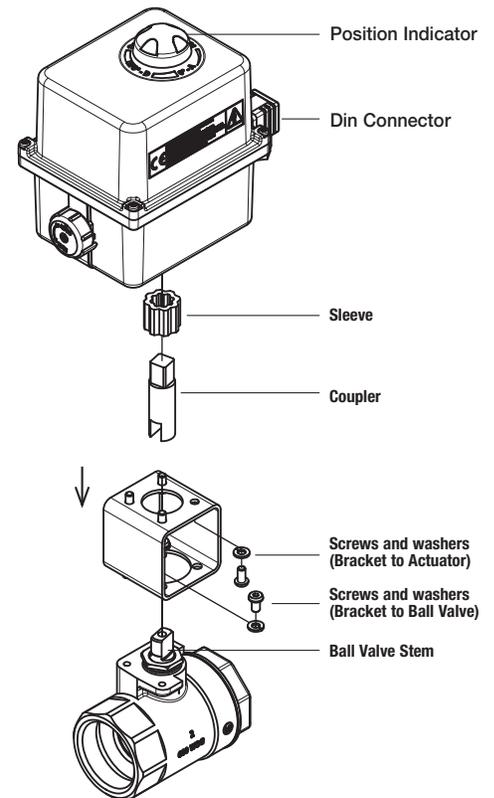
You are required to consult the local building and plumbing codes prior to installation. If the information in this manual is not consistent with local building or plumbing codes, the local codes should be followed. Inquire with governing authorities for additional local requirements.

⚠ WARNING

Need for Periodic Inspection/Maintenance: This product must be tested periodically in compliance with local codes, but at least once per year or more as service conditions warrant. All products must be retested once maintenance has been performed. Corrosive water conditions, inlet temperatures over 200°F, and/or unauthorized adjustments or repair could render the product ineffective for the service intended. Regular checking and cleaning of the product's internal components helps assure maximum life and proper product function.

⚠ WARNING

The installation and maintenance of Electric Motorized Valves should be performed by a qualified, licensed technician. Failure to do so may result in a malfunctioning assembly.



EMVII Actuator Replacement (Valves)

When choosing your replacement actuator it is important that the voltage and timing cycle remain the same as the pre existing actuator that is installed. This can be determined by looking at the model name on the installed product. For example, ordering code 0123837 - ¾ LFEMVII6400SS 115-10 would require the 115 Volt Actuator with a 10 second cycle time. Please see the below chart which illustrates what Actuator should be ordered to replace each models actuator.

Instructions for a Direct Replacement of an Actuator

1. Safely unplug the Din connectors from the actuator
2. Remove the four screws that connect the Bracket to the Actuator using an Allen wrench.
3. Install coupler
 - a. Place the sleeve in the actuator.
 - b. Assemble the square end of the coupler into the sleeve with the slotted end aligned with the position indicator.
 - c. Install the coupler with the actuator to the ball valve by placing the coupler slot over the ball valve stem.
4. Install and tighten the bracket to the actuator with the screws and washers provided.
5. Plug in Din connectors, No rewiring necessary

EMVII Hardware Conversion Kits

In the case where the old EMVII actuator is to be converted to have the New Valves Actuator, in addition to buying a new actuator a hardware kit must also be purchased. To select a replacement actuator one must first look at the current installed products description or ordering code. Once this information has been attained refer to the below chart to determine which actuator and hardware kit is appropriate for use.

1. Safely disconnect actuator wiring and remove existing actuator and hardware.
2. Connect new bracket to ball valve
 - a. Ensure that the flow indicator arrow on the bracket points towards the valve.
 - b. Connect the bracket to the ball valve with the screws and washers provided.
3. Install coupler
 - a. Place the sleeve in the actuator.
 - b. Assemble the square end of the coupler into the sleeve with the slotted end aligned with the position indicator.
 - c. Install the coupler with the actuator to the ball valve by placing the coupler slot over the ball valve stem.
4. Install and tighten the bracket to the actuator with the screws and washers provided.
5. Rewire the unit per the IOM-LFEMVII-6400SS-Valpes.

COMPLETE ELECTRIC MOTORIZED BALL VALVE				ACTUATOR ONLY		HARDWARE ONLY (CONNECTION FROM ACTUATOR TO BALL VALVE)	
Old Ordering Code	Old Description	New Ordering Code	New Description	Replacement Actuator Kit Ordering Code	Replacement Actuator Kit Description	Hardware Kit Ordering Code	Hardware Kit Description
'0123301	3/8 LFEMVII6400SS115-8	'0123830	3/8 LFEMVII6400SS115-10	'0123856	EMV Actuator 115 - 10	0123860	EMV Hardware Kit #1 Fits 1/4" - 1/2" Valves
'0123410	1/2 LFEMVII6400SS 115-8	'0123831	1/2 LFEMVII6400SS 115-10	'0123856	EMV Actuator 115 - 10	0123860	EMV Hardware Kit #1 Fits 1/4" - 1/2" Valves
'0123411	1/2 LFEMVII6400SS 115-35	'0123832	1/2 LFEMVII6400SS 115-67	'0123857	EMV Actuator 115 - 67	0123860	EMV Hardware Kit #1 Fits 1/4" - 1/2" Valves
'0123412	2 LFEMVII6400SS350 24-40	'0123833	2 LFEMVII6400SS350 24-68	'0123859	EMV Actuator 24 - 68	'0123864	EMV Hardware Kit #5 Fits 2" Valves
'0123413	2 LFEMVII6400SS350 115-8	'0123834	2 LFEMVII6400SS350 115-10	'0123856	EMV Actuator 115 - 10	'0123864	EMV Hardware Kit #5 Fits 2" Valves
'0123414	1/2 LFEMVII6400SS 24-18	'0123835	1/2 LFEMVII6400SS 24-10	'0123858	EMV Actuator 24 - 10	0123860	EMV Hardware Kit #1 Fits 1/4" - 1/2" Valves
'0123415	1/2 LFEMVII6400SS 24-40	'0123836	1/2 LFEMVII6400SS 24-68	'0123859	EMV Actuator 24 - 68	0123860	EMV Hardware Kit #1 Fits 1/4" - 1/2" Valves
'0123416	3/4 LFEMVII6400SS 115-8	'0123837	3/4 LFEMVII6400SS 115-10	'0123856	EMV Actuator 115 - 10	'0123861	EMV Hardware Kit #2 Fits 3/4" Valves
'0123417	3/4 LFEMVII6400SS 115-35	'0123838	3/4 LFEMVII6400SS 115-67	'0123857	EMV Actuator 115 - 67	'0123861	EMV Hardware Kit #2 Fits 3/4" Valves
'0123418	3/4 LFEMVII6400SS 24-18	'0123839	3/4 LFEMVII6400SS 24-10	'0123858	EMV Actuator 24 - 10	'0123861	EMV Hardware Kit #2 Fits 3/4" Valves
'0123419	3/4 LFEMVII6400SS 24-40	'0123840	3/4 LFEMVII6400SS 24-68	'0123859	EMV Actuator 24 - 68	'0123861	EMV Hardware Kit #2 Fits 3/4" Valves
'0123420	1 LFEMVII6400SS 115-8	'0123841	1 LFEMVII6400SS 115-10	'0123856	EMV Actuator 115 - 10	'0123862	EMV Hardware Kit #3 Fits 1" Valves
'0123421	1 LFEMVII6400SS 115-35	'0123842	1 LFEMVII6400SS 115-67	'0123857	EMV Actuator 115 - 67	'0123862	EMV Hardware Kit #3 Fits 1" Valves
'0123423	1 LFEMVII6400SS 24-18	'0123843	1 LFEMVII6400SS 24-10	'0123858	EMV Actuator 24 - 10	'0123862	EMV Hardware Kit #3 Fits 1" Valves
'0123424	1 LFEMVII6400SS 24-40	'0123844	1 LFEMVII6400SS 24-68	'0123859	EMV Actuator 24 - 68	'0123862	EMV Hardware Kit #3 Fits 1" Valves
'0123425	1 1/4 LFEMVII6400SS115-8	'0123845	1 1/4LFEMVII6400SS115-10	'0123856	EMV Actuator 115 - 10	'0123863	EMV Hardware Kit #4 Fits 1 1/4" - 1 1/2" Valves
'0123426	1 1/4 LFEMVII6400SS115-35	'0123846	1 1/4 LFEMVII6400SS115-67	'0123857	EMV Actuator 115 - 67	'0123863	EMV Hardware Kit #4 Fits 1 1/4" - 1 1/2" Valves
'0123427	1 1/4 LFEMVII6400SS24-18	'0123847	1 1/4 LFEMVII6400SS24-10	'0123858	EMV Actuator 24 - 10	'0123863	EMV Hardware Kit #4 Fits 1 1/4" - 1 1/2" Valves
'0123428	1 1/4 LFEMVII6400SS24-40	'0123848	1 1/4 LFEMVII6400SS24-68	'0123859	EMV Actuator 24 - 68	'0123863	EMV Hardware Kit #4 Fits 1 1/4" - 1 1/2" Valves
'0123429	1 1/2 LFEMVII6400SS115-8	'0123849	1 1/2 LFEMVII6400SS115-10	'0123856	EMV Actuator 115 - 10	'0123863	EMV Hardware Kit #4 Fits 1 1/4" - 1 1/2" Valves
'0123430	1 1/2LFEMVII6400SS 24-18	'0123850	1 1/2LFEMVII6400SS 24-10	'0123858	EMV Actuator 24 - 10	'0123863	EMV Hardware Kit #4 Fits 1 1/4" - 1 1/2" Valves
'0123431	1 1/2 LFEMVII6400SS24-40	'0123851	1 1/2 LFEMVII6400SS24-68	'0123859	EMV Actuator 24 - 68	'0123863	EMV Hardware Kit #4 Fits 1 1/4" - 1 1/2" Valves
'0123432	1 1/2 LFEMVII6400SS115-35	'0123852	1 1/2 LFEMVII6400SS115-67	'0123857	EMV Actuator 115 - 67	'0123863	EMV Hardware Kit #4 Fits 1 1/4" - 1 1/2" Valves
'0123436	2 LFEMVII6400SS350 24-18	'0123853	2 LFEMVII6400SS350 24-10	'0123858	EMV Actuator 24 - 10	'0123864	EMV Hardware Kit #5 Fits 2" Valves
0123437	2 LFEMVII6400SS350115-40	'0123855	2 LFEMVII6400SS350 115-67	'0123857	EMV Actuator 115 - 67	'0123864	EMV Hardware Kit #5 Fits 2" Valves
'0123439	1/4 LFEMVII6400SS 115-8	'0123854	1/4 LFEMVII6400SS 115-10	'0123856	EMV Actuator 115 - 10	0123860	EMV Hardware Kit #1 Fits 1/4" - 1/2" Valves

Limited Warranty: Watts (the "Company") warrants each product to be free from defects in material and workmanship under normal usage for a period of one year from the date of original shipment. In the event of such defects within the warranty period, the Company will, at its option, replace or recondition the product without charge.

THE WARRANTY SET FORTH HEREIN IS GIVEN EXPRESSLY AND IS THE ONLY WARRANTY GIVEN BY THE COMPANY WITH RESPECT TO THE PRODUCT. THE COMPANY MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED. THE COMPANY HEREBY SPECIFICALLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The remedy described in the first paragraph of this warranty shall constitute the sole and exclusive remedy for breach of warranty, and the Company shall not be responsible for any incidental, special or consequential damages, including without limitation, lost profits or the cost of repairing or replacing other property which is damaged if this product does not work properly, other costs resulting from labor charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse water conditions, chemical, or any other circumstances over which the Company has no control. This warranty shall be invalidated by any abuse, misuse, misapplication, improper installation or improper maintenance or alteration of the product.

Some States do not allow limitations on how long an implied warranty lasts, and some States do not allow the exclusion or limitation of incidental or consequential damages. Therefore the above limitations may not apply to you. This Limited Warranty gives you specific legal rights, and you may have other rights that vary from State to State. You should consult applicable state laws to determine your rights. **SO FAR AS IS CONSISTENT WITH APPLICABLE STATE LAW, ANY IMPLIED WARRANTIES THAT MAY NOT BE DISCLAIMED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO ONE YEAR FROM THE DATE OF ORIGINAL SHIPMENT.**



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