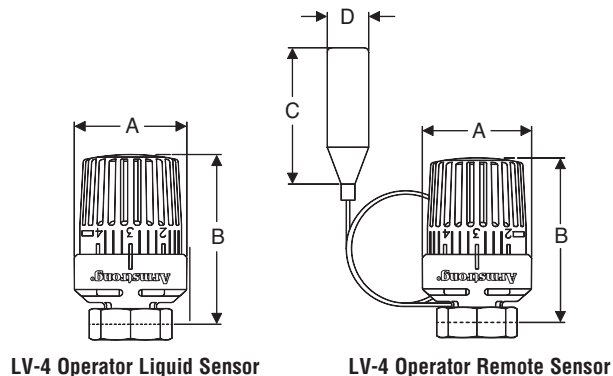
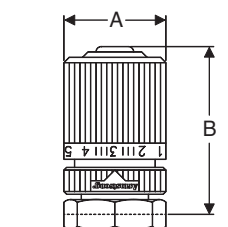


# Thermostatic Operators

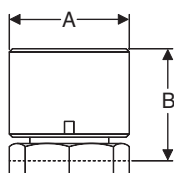


LV-4 Operator Liquid Sensor

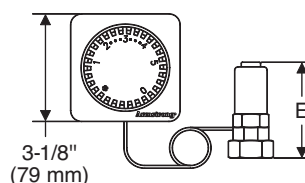
LV-4 Operator Remote Sensor



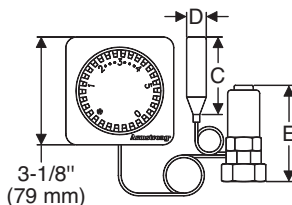
WV-4 Operator  
Low Density Wax Sensor



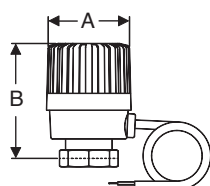
MV-3  
Operator\*



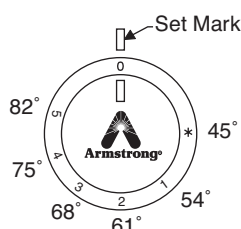
LV-4W Operator (Wall Mount)



LV-4W w/Remote Sensor



EV-4 Electric Operator  
24 VAC N.C. or N.O.



## Thermostatic Radiator Valve In-Service Repair Tool for Valve Repair Without Interrupting Operation

Failures of thermostatic radiator valves are frequently caused by solid matter suspended in the heating medium, such as weld or solder beads, dirt particles, etc. This results in the loss of the shut-off function of the valve through damage to the sealing surface of the valve and seat.

The use of an Armstrong In-Service Repair Tool provides a quick and easy way to remove the valve insert from an Armstrong radiator valve. Valve repair can then be accomplished without draining the heating system or interrupting its operation.



The LV-4 can be easily adjusted to a comfortable temperature. The temperature to scale relationship is shown to the left. The lowest setting provides freeze protection at approximately 45°F with a high setting of 82°F. Temperature settings on all LV-4 Operators may be limited or locked.

For a fully detailed certified drawing, refer to:

LV-4 Operator Liquid Sensor	CDY #1053
LV-4 Operator Remote Sensor	CDY #1054
MV-3 Operator	CDY #1058
LV-4W Operator (Wall Mount)	CDY #1055
LV-4W w/Remote Sensor	CDY #1056
EV-4 Electric Operator	CDY #1057
WV-4 Operator Low Density Wax Sensor	CDY #1062

### Specifications—Valve Bodies and Operators

Name of Part	Material	
Valve Body	Brass (nickel plated)	
Main Valve	"A" insert - Brass	"S" insert
Main Valve Seat	"A" insert - EPDM	chrome nickel plated
Operator Body	Luron	
O-rings	EPDM	

Radiator Products

### Physical Data—Thermostatic Operators

Type	LV-4 Operator w/Liquid Sensor		LV-4 Operator w/Liquid Remote Sensor		WV-4 Operator w/Low Density Wax Sensor		MV-3 Operator*		LV-4W Operator (Wall Mount)		LV-4W Operator w/Remote Sensor		EV-4 Electric Operator	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
"A"	2-1/8	54	2-1/8	54	1-7/16	37	1-1/2	38	—	—	—	—	2	50
"B"	3-5/16	84	3-5/16	84	2-9/16	65	1-1/2	38	—	—	—	—	2-3/4	70
"C"	—	—	2-7/8	73	—	—	—	—	—	—	2-7/8	28	—	—
"D"	—	—	3/4	20	—	—	—	—	—	—	3/4	20	—	—
"E"	—	—	—	—	—	—	—	—	3	76	3	76	—	—
Remote Operator	—	—	—	—	—	—	—	—	3-1/8 x 3-1/8	79 x 79	3-1/8 x 3-1/8	79 x 79	—	—
Capillary Length, ft (m)	—	—	6-1/2 or 16-1/2 (2 or 5)	—	—	—	—	—	—	—	6-1/2 or 16-1/2 (2 or 5)	—	—	—
Weight, lb (kg)	1/3 (0.15)	—	1/2 or 3/4 (0.23 or 0.34)	—	1/4 (0.11)	—	1/8 (0.05)	—	3/4 (0.34)	—	1 or 1-1/4 (0.45 or 0.57)	—	3/4 (0.34)	—

\*For on-off service—not thermostatic.

Designs, materials, weights and performance ratings are approximate and subject to change without notice. Visit [www.armstronginternational.com](http://www.armstronginternational.com) for up-to-date information.