

Uponor

RADIANT HEATING
SYSTEMS

MOTORIZED VALVE ACTUATOR

TECHNICAL BULLETIN



Application

The Motorized Valve Actuator (MVA) is a power-open and spring-closed unit. Its 24VAC, quick-opening motorized valve head provides individual flow control (per loop) on a multi-zoned manifold (manifold serving more than one zone).

Part Number

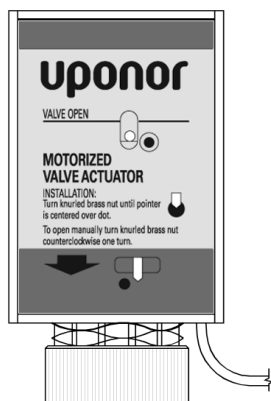
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Installation

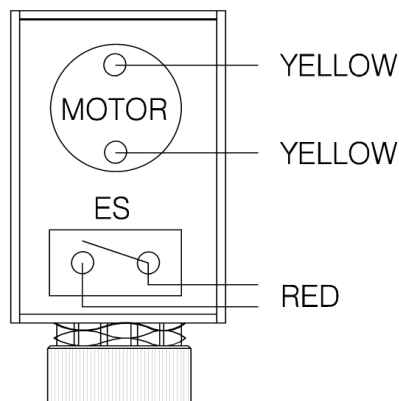
The MVA mounts directly on the 1¼" Brass Valved Manifold and TruFLOW™ Classic Manifold. Prior to installation, balance the valves on the manifold. Refer to the Radiant Floor Heating Installation Handbook for valve balancing. The face plate on the MVA features instructions for alignment. When installing, turn brass nut until pointer is centered over dot.

Note: Mount MVAs in a vertical or horizontal position, but do not mount them upside down.

FRONT
VIEW



INTERNAL
VIEW



Voltage

24VAC

Current Draw (24 volts)

0.29A/6.96VA

Operating Range

24V +/- 10% VAC

Maximum Close Off Pressure

17 psi/39.2 feet of head

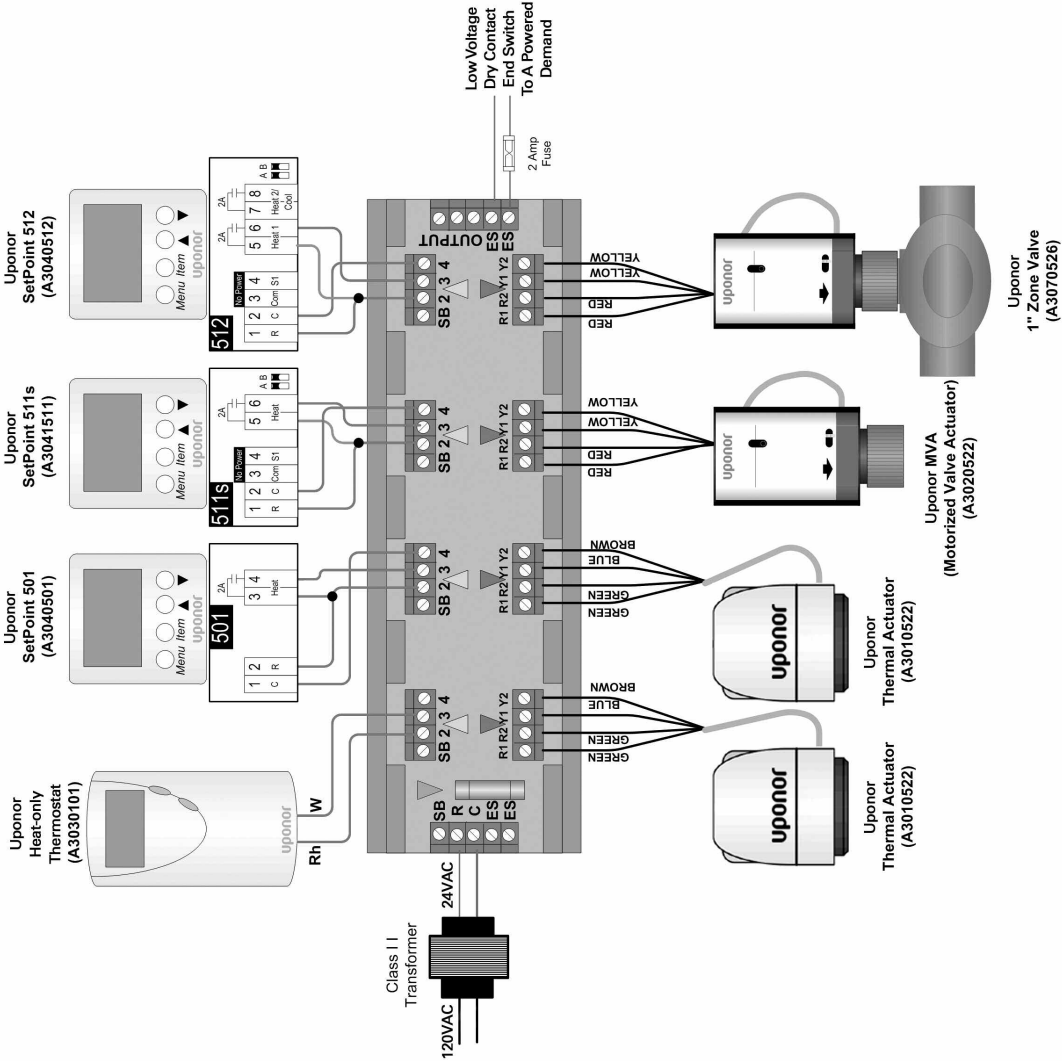
Maximum Number of MVAs

6 MVAs-50VA transformer

9 MVAs-75VA transformer

12 MVAs-100VA transformer

(computed with a 10% line loss)



NOTE: This drawing is conceptual only, not an engineered drawing. It is up to the system designer to determine the necessary components for and the configuration of the particular system designed, including additional components, wiring, and any safety devices which in the judgment of the designer are appropriate. Certain components may have been left out on this drawing for clarity. The system designer is responsible for the proper selection, control, pipe sizing and pump selection, is the responsibility of the installing contractor. Local codes and trade practices must be followed.	SYMBOLS		Project:	
	= Pump	= Air Separator & Expansion Tank w/ fill	= 4-Way Mixing Valve	= Zone Valve
= Floating Action Valve	= Tempering Valve	= Pressure By-Pass Valve	= Ball Valve	= Drain Valve
				= Flow Check Valve
				Rep: _____
				Drawn by: _____
				Checked by: _____
				DATE: _____
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