

Wiring Diagram Selection Guide for AERCO Boiler Valve Controller and AERCO supplied Belimo Valves

(See second table below for Wiring Selection Guide when using AERCO Boiler Valve controller with Valves NOT supplied by AERCO)

Boiler Series	Motorized Valve	AERCO Boiler Valve Controller (BVC)	Wiring Diagram to Use
Benchmark Boilers equipped with BMK Pump Relay Option 69102	Belimo 24-240VAC/24-125VDC, Spring Return Open Valves. AERCO Part Numbers 92084-1 92084-2 (Dual Actuator)	None	SD-A-904
	24V, Power open/power close Valves. Part Numbers 92084-3 92084-4 92084-5 92084-6 92084-7	None	SD-A-863
Benchmark Boilers NOT equipped with BMK Pump Relay Option 69102; KC1000 Boilers	Belimo 24-240VAC/24-125VDC, Spring Return Open Valves. AERCO Part Numbers 92084-1 92084-2 (Dual Actuator)	None	SD-A-905
		120V 4-Boiler BVC P/N 64095	SD-A-906
		120V 12-Boiler BVC P/N 64096	SD-A-907
		24V 4-Boiler BVC P/N 64097	SD-A-909
	24V, Power open/power close Valves. Part Numbers 92084-3 92084-4 92084-5 92084-6 92084-7	24V 12-Boiler BVC P/N 64098	SD-A-911
		None	SD-A-864
		24V 4-Boiler BVC P/N 64097	SD-A-908
		24V 12-Boiler BVC P/N 64098	SD-A-910

How to use the above chart:

1. From the first column, identify the AERCO Boiler Series to which the Belimo valve will be applied.
If the Belimo valve is being installed on a BMK boiler that is already in the field, to determine if the boiler is equipped with BMK Pump Relay Option 69102, see Figure 1 on next page.
2. From the second column, identify the AERCO part number of the Belimo valve being used.
3. From the third column, identify which AERCO Boiler Valve Controller is being used in the application.
4. Use the resulting wiring diagram from the last column.

Wiring Diagram Selection Guide for AERCO Boiler Valve Controller and Valves NOT supplied by AERCO

Boiler Series	Motorized Valve	AERCO Boiler Valve Controller (BVC)	Wiring Diagram to Use
Benchmark Boilers NOT equipped with BMK Pump Relay Option 69102; KC1000 Boilers	120VAC Motorized Valve (NOT supplied by AERCO)	120V 4-Boiler BVC P/N 64064 P/N 64095	SD-A-795
		120V 12-Boiler BVC P/N 64065 P/N 64096	SD-A-812
	24VAC Motorized Valve (NOT supplied by AERCO)	24VAC 4-Boiler BVC P/N 64097	SD-A-876
		24VAC 12-Boiler BVC P/N 64098	SD-A-877

How to use the above chart:

1. From the second column, identify the power requirement of the valve being used.
2. From the third column, identify which AERCO Boiler Valve Controller is being used in the application.
3. Use the resulting wiring diagram from the last column.

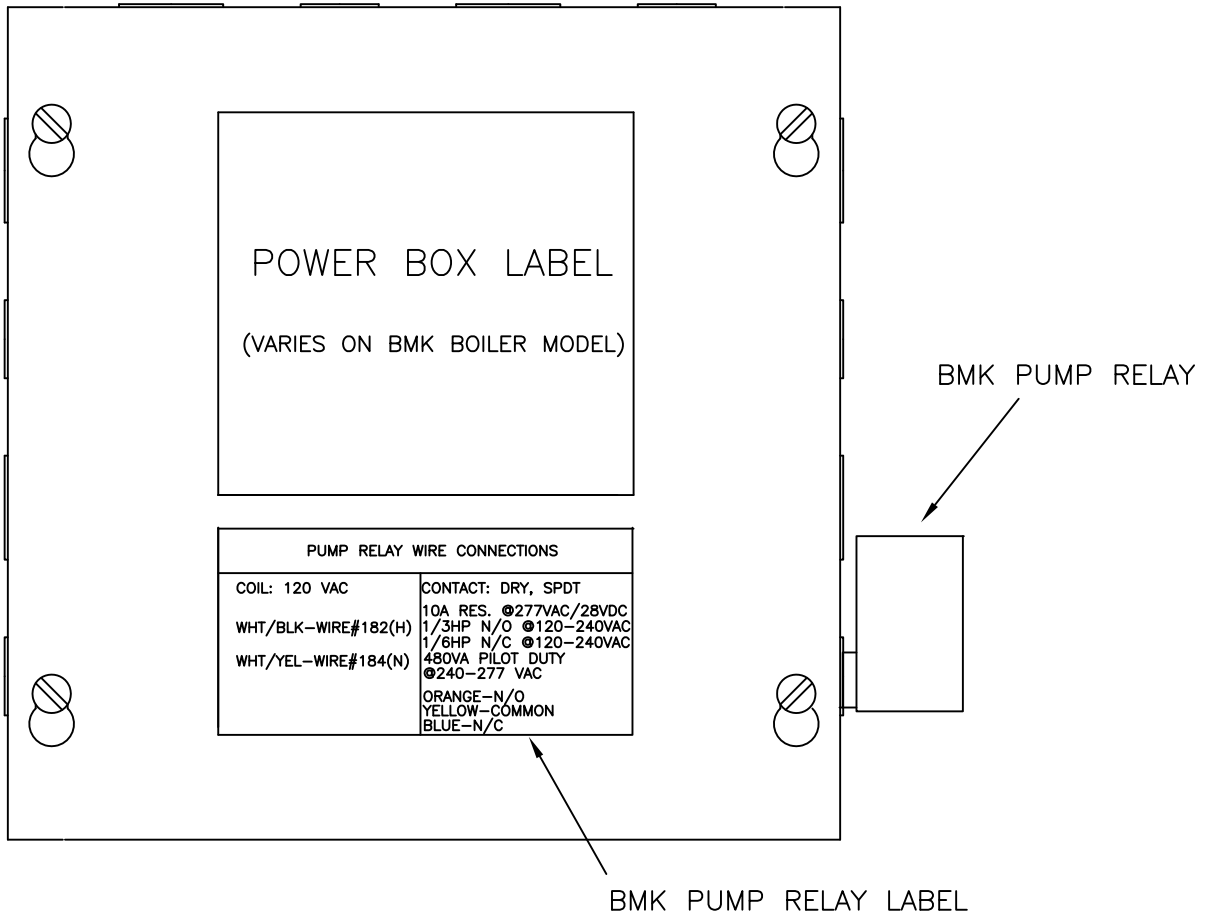


Figure 1: BENCHMARK POWER BOX FRONT VIEW

If the BMK Boiler features the label and relay as called out in Figure 1, then the unit is equipped with BMK Pump Relay Option 69102