

OpenAir® Damper Actuator Competitive Wiring Guide

Spring Return Electronic Damper Actuators

Modulating Control (0 to 10 Vdc)	Siemens GCA Series		Belimo AFB Series		Honeywell MS7520 Series		Johnson M9220 Series	
Function	Color	Number	Color	Number	Color	Number	Color	Number
Supply 24V	Red	1	Red	2	Red	1	Red	2
Common	Black	2	Black	1	Black	2	Black	1
0(2) to 10 Vdc Input	Gray	8	White	3	White	3	Gray	3
0(2) to 10 Vdc Feedback	Pink	9	Orange	5	Blue	5	Orange	4

2-Position Control (24 Vac/Vdc)	Siemens GCA Series		Belimo AFB Series		Honeywell MS8120 Series		Johnson M9220 Series	
Function	Color	Number	Color	Number	Color	Number	Color	Number
Supply (24V)	Red	1	Red	2	Red	1	Red	2
Common	Black	2	Black	1	Black	2	Black	1

2-Position Control (120 Vac)	Siemens GCA Series		Belimo AFB Series		Honeywell MS4120 Series		Johnson M9220 Series	
Function	Color	Number	Color	Number	Terminal Only	Number	Color	Number
Line (120V)	Black	3	Black	2		1	Black	2
Neutral	White	4	White	1		2	White	1

Modulating Control 0 (2) to 10 Vdc Function	Siemens GMA Series		Belimo LF Series NF Series		Honeywell MS7505 Series		Johnson M9208 Series	
Function	Color	Number	Color	Number	Color	Number	Color	Number
Supply 24V	Red	1	Red	2	Red	1	Red	2
Common	Black	2	Black	1	Black	2	Black	1
0(2) to 10 Vdc Input	Gray	8	White	3	White	3	Gray	3
0(2) to 10 Vdc Feedback	Pink	9	Orange	5	Blue	5	Orange	4

2-Position Control (24 Vac/Vdc) Function	Siemens GMA Series		Belimo LF Series NF Series		Honeywell MS8105 Series		Johnson M9208 Series	
Function	Color	Number	Color	Number	Color	Number	Color	Number
Supply (24V)	Red	1	Red	2	Red	1	Red	2
Common	Black	2	Black	1	Black	2	Black	1

2-Position Control (120 Vac) Function	Siemens GMA Series		Belimo LF Series NF Series		Honeywell MS4105 Series		Johnson M9208 Series	
Function	Color	Number	Color	Number	Terminal Only	Number	Color	Number
Line (120V)	Black	3	Black	2		1	Black	2
Neutral	White	4	White	1		2	White	1

Modulating Control 2 to 10 Vdc	Siemens GQD Series		Belimo TF Series		Honeywell MS7503 Series		Johnson M9203 Series	
Function	Color	Number	Color	Number	Terminal Only	Number	Color	Number
Supply 24V	Red	1	Red	2		1	Red	2
Common	Black	2	Black	1		2	Black	1
2 to 10 Vdc Input	Gray	8	White	3		3	Gray	3
2to 10 Vdc Feedback	Pink	9	Orange	5		5	Orange	4

2-Position Control (24 Vac/Vdc) Function	Siemens GQD Series		Belimo TF Series		Honeywell MS8103 Series		Johnson M9203 Series	
Function	Color	Number	Color	Number	Terminal Only	Number	Color	Number
Supply (24V)	Red	1	Red	2		1	Red	2
Common	Black	2	Black	1		2	Black	1

2-Position Control (120 Vac) Function	Siemens GQD Series		Belimo TF Series		Honeywell MS4103 Series		Johnson M9203 Series	
Function	Color	Number	Color	Number	Terminal Only	Number	Color	Number
Line (24V)	Black	3	Black	2		1	Black	2
Neutral	White	4	White	1		2	White	1

Non-Spring Return Electronic Damper Actuators

Modulating Control (0 to 10 Vdc) Function	Siemens GBB Series GIB Series		Belimo AMB Series GMB Series		Honeywell MN7220 Series MN7234 Series		Johnson M9124 Series M9132 Series	
Function	Color	Number	Color	Number	Terminal Only	Number	Terminal Only	Number
Supply 24V	Red	1	Red	2		1		2
Common	Black	2	Black	1		2		1
0(2) to 10 Vdc Input	Gray	8	White	3		3		3
0(2) to 10 Vdc Feedback	Pink	9	Orange	5		5		4

Floating Control Function	Siemens GBB Series GIB Series		Belimo AMB Series GMB Series		Honeywell MN6120 Series MN6134 Series		Johnson M9124 Series M9132 Series	
Function	Color	Number	Color	Number	Terminal Only	Number	Terminal Only	Number
Common	Red	1	Black	1		2		1
24V CW	Violet	6	Red	2		3		2
24V CCW	Orange	7	White	3		4		3

Modulating Control (0 to 10 Vdc)	Siemens GEB Series		Belimo No Offerings		Honeywell No Offerings		Johnson M9116 Series	
Function	Color	Number					Terminal Only	Number
Supply 24V	Red	1						2
Common	Black	2						1
0(2) to 10 Vdc Input	Gray	8						3
0(2) to 10 Vdc Feedback	Pink	9						4

Floating Control	Siemens GEB Series		Belimo No Offerings		Honeywell No Offerings		Johnson M9116 Series	
Function	Color	Number					Terminal Only	Number
Common	Red	1						1
24V CW	Violet	6						2
24V CCW	Orange	7						3

Modulating Control (0 to 10 Vdc)	Siemens GDE Series GLB Series		Belimo LMB Series NMB Series		Honeywell MN7505 Series MN7510 Series *		Johnson M9104 Series M9109 Series *	
Function	Color	Number	Color	Number	Color	Number	Color	Number
Supply 24V	Red	1	Red	2	Red	1	Red	2
Common	Black	2	Black	1	Black	2	Black	1
0(2) to 10 Vdc Input	Gray	8	White	3	Brown	3	Gray	3
0(2) to 10 Vdc Feedback	Pink	9	Orange	5	Blue	5	Orange	4

Note: MN7510 Series is not available precabled. Numbers listed associate with terminal positions.

Note: M9109 Series is not available precabled. Numbers listed associate with terminal positions.

Floating Control	Siemens GDE Series GLB Series		Belimo LMB Series NMB Series		Honeywell MN6105 Series MN6110 Series*		Johnson M9104 Series M9109 Series *	
Function	Color	Number	Color	Number	Color	Number	Color	Number
Common	Red	1	Black	1	Black	2	Black	1
24V CW	Violet	6	Red	2	Red	3	Red	2
24V CCW	Orange	7	White	3	White	4	Orange	3

Note: MN7510 Series is not available precabled. Numbers listed associate with terminal positions.

Note: M9109 Series is not available precabled. Numbers listed associate with terminal positions.