Competitive Direct Coupled Actuator Cross Reference

BELIMO

Table 1. Belimo DCA.

Belimo Model	Torque (lb-in)	Control Signal	Power	Feedback	Switches	Timing (sec)	Honeywell Actuator	Torque (lb-in)	Control Signal[a]	Power	Feedback	Switches	Timing (sec)
LM24 US	35	On/Off, Floating	24 Vac/dc	—	—	80-110	ML6161B2024	35	On/Off, Floating	24 Vac	—	—	90
LM24-10P US	35	On/Off, Floating	24 Vac/dc	10K ohms	—	80-110	ML6161A2009 + 200976C	35	On/Off, Floating	24 Vac	2K ohms	—	90
LM24-3 US	35	On/Off, Floating	24 Vac/dc	—	—	95	ML6161B2024	35	On/Off, Floating	24 Vac	—	—	90
LM24-3-T US	35	On/Off, Floating	24 Vac/dc	—	—	95	ML6161B2024	35	On/Off, Floating	24 Vac	—	—	90
LM24-5P0-T US	35	On/Off, Floating	24 Vac/dc	5K ohms	—	80-110	ML6161A2009 + 200976C	35	On/Off, Floating	24 Vac	2K ohms	2	90
LM24-MFT US	35	MFT	24 Vac/dc	2-10 Vdc	—	150	ML7161A2008	35	2-10 Vdc, 4-20 mA	24 Vac	—	—	90
LM24-S US	35	On/Off, Floating	24 Vac/dc	—	1	80-110	ML7161A2008 + 201052B	35	2-10 Vdc, 4-20 mA	24 Vac	—	2	90
LM24-SR-2.0 US	35	2-10 Vdc	24 Vac/dc	2-10 Vdc	—	95	ML7161A2008	35	2-10 Vdc, 4-20 mA	24 Vac	—	—	90
LM24-SR-T-2.0 US	35	2-10 Vdc	24 Vac/dc	—	—	95	ML7161A2008	35	2-10 Vdc, 4-20 mA	24 Vac	—	—	90
LM24-T US	35	On/Off, Floating	24 Vac/dc	—	—	80-110	ML6161B2024	35	On/Off, Floating	24 Vac	—	—	90
LMC24 US	18	On/Off, Floating	24 Vac/dc	—	—	25-35	ML6131B2001	6	On/Off, Floating	24 Vac	—	—	15
LMC24-SR US	18	2-10 Vdc	24 Vac/dc	2-10 Vdc	—	25-35	ML7161A2008	35	2-10 Vdc, 4-20 mA	24 Vac	—	—	90
NM24-SR US	70	2-10 Vdc	24 Vac/dc	2-10 Vdc	—	75-150	ML7174A2001	70	2-10 Vdc, 4-20 mA	24 Vac	—	—	90
NM24 US	70	On/Off, Floating	24 Vac/dc	—	—	75-150	ML6174B2019	70	On/Off, Floating	24 Vac	—	—	90
NM24-MFT US	70	MFT	24 Vac/dc	2-10 Vdc	—	150	ML7174A2001	70	2-10 Vdc, 4-20 mA	24 Vac	—	—	90
NMQ24-MFT US	70	MFT	24 Vac/dc	2-10 Vdc	—	150	ML7174A2001	70	2-10 Vdc, 4-20 mA	24 Vac	—	—	90

[a] All models described as (0)2-10 Vdc can be used with a 4-20 mA control input. Shunt a 500 ohm, 1/2W resistor across the input at the actuator.

Table 1. Belimo DCA. (Continued)

Belimo Model	Torque (lb-in)	Control Signal	Power	Feedback	Switches	Timing (sec)	Honeywell Actuator	Torque (lb-in)	Control Signal[a]	Power	Feedback	Switches	Timing (sec)
AM24-SR US	160	2-10 Vdc	24 Vac/dc	2-10 Vdc	—	150	MN7220A2007	175	(0)2-10 Vdc, 4-20 mA	24 Vac/dc	(0)2-10 Vdc	—	95
AM24 US	160	On/Off, Floating	24 Vac/dc	—	—	150	MN6120A1002	175	On/Off, Floating	24 Vac	—	—	95
AM24-S US	160	On/Off, Floating	24 Vac/dc	—	2	150	MN6120A1200	175	On/Off, Floating	24 Vac	—	2	95
AM24-MFT US	160	MFT	24 Vac/dc	2-10 Vdc	—	150	MN7220A2007	175	(0)2-10 Vdc, 4-20 mA	24 Vac/dc	(0)2-10 Vdc	—	95
SM24-SR94 US	133	Honeywell Series 90, 0-135 ohm	24 Vac/dc	—	—	19	MN7220A2007 + Q7002B1009	175	Honeywell Series 90, 0-135 ohm	24 Vac/dc	(0)2-10 Vdc	—	95
SM24-S US	133	On/Off	24 Vac/dc	—	2	19	MN6120A1200	175	On/Off, Floating	24 Vac	—	2	95
GM24-SR US	320	2-10 Vdc	24 Vac/dc	2-10 Vdc	—	135	MN7234A2008	300	(0)2-10 Vdc, 4-20 mA	24 Vac/dc	(0)2-10 Vdc	—	95
GM24 US	320	On/Off, Floating	24 Vac/dc	—	—	135	MN6134A1003	300	On/Off, Floating	24 Vac	—	—	95
GM24-MFT US	320	MFT	24 Vac/dc	2-10 Vdc	—	135	MN7234A2008	300	(0)2-10 Vdc, 4-20 mA	24 Vac/dc	(0)2-10 Vdc	—	95
LF24-SR US	35	2-10 Vdc	24 Vac/dc	2-10 Vdc	—	150	MS7505A2008	44	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	—	90
LF24-SR-S US	35	2-10 Vdc	24 Vac/dc	2-10 Vdc	1	150	MS7510A2206	44	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	2	90
LF24 US	35	On/Off	24 Vac/dc	—	—	40-75	MS8105A1008	44	On/Off	24 Vac/dc	—	—	90
LF24-S US	35	On/Off	24 Vac/dc	—	1	40-75	MS8110A1206	44	On/Off	24 Vac/dc	—	2	90
LF120 US	35	On/Off	120 Vac	—	—	40-75	MS4105A1002	44	On/Off	100-250 Vac	—	—	90
LF120-S US	35	On/Off	120 Vac	—	1	40-75	MS4110A1200	44	On/Off	100-250 Vac	—	2	90
LF230 US	35	On/Off	230 Vac	—	—	40-75	MS4105A1002	44	On/Off	100-250 Vac	—	—	90
LF230-S US	35	On/Off	230 Vac	—	1	40-75	MS4110A1200	44	On/Off	100-250 Vac	—	2	90
LF24-3 US	35	Floating	24 Vac/dc	—	—	150	MS7505A2008	44	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	—	90
LF24-3-S US	35	Floating	24 Vac/dc	—	1	150	MS7510A2206	44	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	2	90
LFC24-3-R US	35	Floating	24 Vac/dc	—	—	90	MS7505A2008	44	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	—	90
LFC24-3-S US	35	Floating	24 Vac/dc	—	1	90	MS7510A2206	44	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	2	90
LF24-MFT US	35	MFT	24 Vac/dc	2-10 Vdc	—	150	MS7505A2008	44	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	—	90
LF24-MFT-S US	35	MFT	24 Vac/dc	2-10 Vdc	1	150	MS7510A2206	44	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	2	90

[a] All models described as (0)2-10 Vdc can be used with a 4-20 mA control input. Shunt a 500 ohm, 1/2W resistor across the input at the actuator.

Table 1. Belimo DCA. (Continued)

Belimo Model	Torque (lb-in)	Control Signal	Power	Feedback	Switches	Timing (sec)	Honeywell Actuator	Torque (lb-in)	Control Signal[a]	Power	Feedback	Switches	Timing (sec)
LF24-MFT-20 US	35	MFT	24 Vac/dc	2-10 Vdc	—	150	MS7505A2008	44	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	—	90
LF24-MFT-S-20 US	35	MFT	24 Vac/dc	2-10 Vdc	1	150	MS7510A2206	44	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	2	90
NF24-SR US	60	2-10 Vdc	24 Vac/dc	2-10 Vdc	—	150	MS7510A2008	88	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	—	90
NF24-SR-S US	60	2-10 Vdc	24 Vac/dc	2-10 Vdc	1	150	MS7510A2206	88	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	2	90
NF24 US	60	On/Off	24 Vac/dc	—	—	40-75	MS8110A1008	88	On/Off	24 Vac/dc	—	—	90
NF24-S US	60	On/Off	24 Vac/dc	—	1	40-75	MS8110A1206	88	On/Off	24 Vac/dc	—	2	90
NF24-S2 US	60	On/Off	24 Vac/dc	—	2	40-75	MS8110A1206	88	On/Off	24 Vac/dc	—	2	90
NF120 US	60	On/Off	120 Vac	—	—	40-75	MS4110A1002	88	On/Off	100-250 Vac	—	—	90
NF120-S US	60	On/Off	120 Vac	—	1	40-75	MS4110A1200	88	On/Off	100-250 Vac	—	2	90
NF230 US	60	On/Off	230 Vac	—	—	40-75	MS4110A1002	88	On/Off	100-250 Vac	—	—	90
NF230-S US	60	On/Off	230 Vac	—	1	40-75	MS4110A1200	88	On/Off	100-250 Vac	—	2	90
NF24-MFT US	60	MFT	24 Vac/dc	—	—	150	MS7510A2008	88	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	—	90
NF24-MFT-S US	60	MFT	24 Vac/dc	—	1	150	MS7510A2206	88	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	2	90
AFR24-SR US	133	2-10 Vdc	24 Vac/dc	2-10 Vdc	—	150	MS7520A2007	175	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	—	90
AF24-SR US	133	2-10 Vdc	24 Vac/dc	2-10 Vdc	—	150	MS7520A2007	175	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	—	90
AF24 US	133	On/Off	24 Vac/dc	—	—	150	MS8120A1007	175	On/Off	24 Vac/dc	—	—	90
AF24-S US	133	On/Off	24 Vac/dc	—	2	150	MS8120A1205	175	On/Off	24 Vac/dc	—	2	90
AF120 US	133	On/Off	120 Vac	—	—	150	MS4120A1001	175	On/Off	100-250 Vac	—	—	90
AF120-S US	133	On/Off	120 Vac	—	2	150	MS4120A1209	175	On/Off	100-250 Vac	—	2	90
AF230 US	133	On/Off	230 Vac	—	—	150	MS4120A1001	175	On/Off	100-250 Vac	—	—	90
AF230-S US	133	On/Off	230 Vac	—	2	150	MS4120A1209	175	On/Off	100-250 Vac	—	2	90
AFR24 US	133	On/Off	24 Vac/dc	—	—	150	MS8120A1007	175	On/Off	24 Vac/dc	—	—	90
AFR24-S US	133	On/Off	24 Vac/dc	—	2	150	MS8120A1205	175	On/Off	24 Vac/dc	—	2	90
AFR120 US	133	On/Off	120 Vac	—	—	150	MS4120A1001	175	On/Off	100-250 Vac	—	—	90
AFR120-S US	133	On/Off	120 Vac	—	2	150	MS4120A1209	175	On/Off	100-250 Vac	—	2	90
AFR24-3 US	133	Floating	24 Vac/dc	—	—	150	MS7520A2007	175	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	—	90

[a] All models described as (0)2-10 Vdc can be used with a 4-20 mA control input. Shunt a 500 ohm, 1/2W resistor across the input at the actuator.

Table 1. Belimo DCA. (Continued)

Belimo Model	Torque (lb-in)	Control Signal	Power	Feedback	Switches	Timing (sec)	Honeywell Actuator	Torque (lb-in)	Control Signal[a]	Power	Feedback	Switches	Timing (sec)
AFR24-3-S US	133	Floating	24 Vac/dc	—	2	150	MS7520A2205	175	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	2	90
AF24-MFT US	133	MFT	24 Vac/dc	2-10 Vdc	—	150	MS7520A2007	175	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	—	90
AF24-MFT-S US	133	MFT	24 Vac/dc	2-10 Vdc	2	150	MS7520A2205	175	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	2	90
AF24-MFT95 US	133	0-135 ohm	24 Vac/dc	—	—	150	MS7520A2007 + Q7002B1009	175	Honeywell Series 90, 0-135 ohm	24 Vac/dc	(0)2-10 Vdc	—	90

[a] All models described as (0)2-10 Vdc can be used with a 4-20 mA control input. Shunt a 500 ohm, 1/2W resistor across the input at the actuator.

SIEMENS

Table 2. Siemens DCA.

Siemens Model	Torque (lb-in)	Control Signal	Power	Feedback	Switches	Timing (sec)	Honeywell Actuator	Torque (lb-in)	Control Signal[a]	Power	Feedback	Switches	Timing (sec)
GDE131.1U/ GDE131.1P	44	Floating	24 Vac	—	—	90	ML6161B2024	35	On/Off, Floating	24 Vac	—	—	90
GDE161.1P	44	0-10 Vdc	24 Vac	—	—	90	ML7161A2008	35	2-10 Vdc, 4-20 mA	24 Vac	—	—	90
GDE132.1P	44	Floating	24 Vac	1K ohms	—	90	ML6161A2009 + 200976C	35	On/Off, Floating	24 Vac	2K ohms	—	90
GDE136.1P	44	Floating	24 Vac	—	2	90	ML6161B2024 + 201052B	35	On/Off, Floating	24 Vac	—	2	90
GDE166.1P	44	0-10 Vdc	24 Vac	—	2	90	ML7161A2008 + 201052B	35	2-10 Vdc, 4-20 mA	24 Vac	—	2	90
GLB131.1P	88	Floating	24 Vac	—	—	125	ML6174B2019	70	On/Off, Floating	24 Vac	—	—	90
GLB161.1P	88	0-10 Vdc	24 Vac	—	—	125	ML7174A2001	70	2-10 Vdc, 4-20 mA	24 Vac	—	—	90
GLB132.1P	88	Floating	24 Vac	1K ohms	—	125	ML6174A2002 + 200976C	70	On/Off, Floating	24 Vac	2K ohms	—	90
GLB136.1P	88	Floating	24 Vac	—	2	125	ML6174B2019 + 201052B	70	On/Off, Floating	24 Vac	—	2	90
GLB166.1P	88	0-10 Vdc	24 Vac	—	2	125	ML7174A2001 + 201052B	70	2-10 Vdc, 4-20 mA	24 Vac	—	2	90
GEB131.1U	132	Floating	24 Vac	—	—	125	MN6120A1002	70	On/Off, Floating	24 Vac	—	—	95
GEB161.1U	132	0-10 Vdc	24 Vac	—	—	125	MN7220A2007	175	(0)2-10 Vdc, 4-20 mA	24 Vac/dc	(0)2-10 Vdc	—	95
GEB132.1U	132	Floating	24 Vac	1K ohms	—	125	MN6120A1002	175	On/Off, Floating	24 Vac	—	—	95
GEB136.1U	132	Floating	24 Vac	—	2	125	MN6120A1200	175	On/Off, Floating	24 Vac	—	2	95
GEB161.1U	132	0-10 Vdc	24 Vac	—	—	125	MN7220A2007	175	(0)2-10 Vdc, 4-20 mA	24 Vac/dc	(0)2-10 Vdc	—	95
GBB171.1U/ GBB171.1P	177	On/Off, Floating	24 Vac	—	—	150	MN6120A1002	175	On/Off, Floating	24 Vac	—	—	95
GBB161.1U/ GBB161.1P	177	0-10 Vdc	24 Vac	—	—	150	MN7220A2007	175	(0)2-10 Vdc, 4-20 mA	24 Vac/dc	(0)2-10 Vdc	—	95
GBB151.1U/ GBB151.1P	177	4-20 mA	24 Vac	—	—	150	MN7220A2007	175	(0)2-10 Vdc, 4-20 mA	24 Vac/dc	(0)2-10 Vdc	—	95
GBB175.1U/ GBB175.1P	177	On/Off, Floating	24 Vac	1K ohms	—	150	MN6120A1200	175	On/Off, Floating	24 Vac	—	—	95
GBB166.1U/ GBB166.1P	177	0-10 Vdc	24 Vac	—	2	150	MN7220A2205	175	(0)2-10 Vdc, 4-20 mA	24 Vac/dc	(0)2-10 Vdc	2	95
GBB156.1U/ GBB156.1P	177	4-20 mA	24 Vac	—	2	150	MN7220A2205	175	(0)2-10 Vdc, 4-20 mA	24 Vac/dc	(0)2-10 Vdc	2	95
GIB171.1U/ GIB171.1P	310	On/Off, Floating	24 Vac	—	—	150	MN6134A1003	300	On/Off, Floating	24 Vac/dc	—	—	95
GIB161.1U/ GIB161.1P	310	0-10 Vdc	24 Vac	—	—	150	MN7234A2008	300	(0)2-10 Vdc, 4-20 mA	24 Vac/dc	(0)2-10 Vdc	—	95

[a] All models described as (0)2-10 Vdc can be used with a 4-20 mA control input. Shunt a 500 ohm, 1/2W resistor across the input at the actuator.

Table 2. Siemens DCA. (Continued)

Siemens Model	Torque (lb-in)	Control Signal	Power	Feedback	Switches	Timing (sec)	Honeywell Actuator	Torque (lb-in)	Control Signal[a]	Power	Feedback	Switches	Timing (sec)
GIB151.1U/ GIB151.1P	310	4-20 mA	24 Vac	—	—	150	MN7234A2008	300	(0)2-10 Vdc, 4-20 mA	24 Vac/dc	(0)2-10 Vdc	—	95
GIB175.1U/ GIB175.1P	310	On/Off, Floating	24 Vac	1K ohms	—	150	MN6134A1003 + SW2	300	On/Off, Floating	24 Vac	—	—	95
GIB166.1U/ GIB166.1P	310	0-10 Vdc	24 Vac	—	2	150	MN7234A2008 + SW2	300	(0)2-10 Vdc, 4-20 mA	24 Vac/dc	(0)2-10 Vdc	2	95
GIB156.1U/ GIB156.1P	310	4-20 mA	24 Vac	—	2	150	MN7234A2008 + SW2	300	(0)2-10 Vdc, 4-20 mA	24 Vac/dc	(0)2-10 Vdc	2	95
GMA121.1U/ GMA121.1P	62	On/Off	24 Vac	—	—	90/15	MS8110A1008	88	On/Off	24 Vac/dc	—	—	90/20
GMA221.1U	62	On/Off	120 Vac	—	—	90/15	MS4110A1002	88	On/Off	100-250 Vac	—	—	90/20
GMA131.1U	62	Floating	24 Vac	—	—	90/15	MS7510A2008	88	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	—	90/20
GMA161.1U/ GMA161.1P	62	0-10 Vdc	24 Vac	—	—	90/15	MS7510A2008	88	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	—	90/20
GMA132.1U	62	Floating	24 Vac	1K ohms	—	90/15	MS7510A2008	88	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	—	90/20
GMA126.1U	62	On/Off	24 Vac	—	2	90/15	MS8110A1206	88	On/Off	24 Vac/dc	—	2	90/20
GMA226.1U	62	On/Off	120 Vac	—	2	90/15	MS4110A1200	88	On/Off	100-250 Vac	—	2	90/20
GMA136.1U	62	Floating	24 Vac	—	2	90/15	MS7510A2206	88	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	2	90/20
GMA166.1U	62	0-10 Vdc	24 Vac	—	2	90/15	MS7510A2206	88	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	2	90/20
GCA121.1U/ GCA121.1P	142	On/Off	24 Vac	—	—	90/15	MS8120A1007	175	On/Off	24 Vac/dc	—	—	90/20
GCA221.1U	142	On/Off	120 Vac	—	—	90/15	MS4120A1001	175	On/Off	100-250 Vac	—	—	90/20
GCA131.1U/ GCA131.1P	142	Floating	24 Vac	—	—	90/15	MS7520A2007	175	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	—	90/20
GCA161.1U/ GCA.161.1P	142	0-10 Vdc	24 Vac	—	—	90/15	MS7520A2007	175	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	—	90/20
GCA151.1U/ GCA151.IP	142	4-20 mA	24 Vac	—	—	90/15	MS7520A2007	175	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	—	90/20
GCA126.1U/ GCA126.IP	142	On/Off	24 Vac	—	2	90/15	MS8120A1205	175	On/Off	24 Vac/dc	—	2	90/20
GCA226.1U	142	On/Off	120 Vac	—	2	90/15	MS4120A1209	175	On/Off	100-250 Vac	—	2	90/20
GCA135.1U/ GCA135.1P	142	Floating	24 Vac	1K ohms	2	90/15	MS7520A2205	175	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	2	90/20
GCA166.1U/ GCA166.1P	142	0-10 Vdc	24 Vac	—	2	90/15	MS7520A2205	175	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	2	90/20

[a] All models described as (0)2-10 Vdc can be used with a 4-20 mA control input. Shunt a 500 ohm, 1/2W resistor across the input at the actuator.

Table 2. Siemens DCA. (Continued)

Siemens Model	Torque (lb-in)	Control Signal	Power	Feedback	Switches	Timing (sec)	Honeywell Actuator	Torque (lb-in)	Control Signal[a]	Power	Feedback	Switches	Timing (sec)
GCA156.1U/ GCA156.1P	142	4-20 mA	24 Vac	—	2	90/15	MS7520A2205	175	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	2	90/20
GGD121.1U	142	On/Off	24 Vac	—	—	15/15	MS8120F1002	175	On/Off	24 Vac/dc	—	—	15/15
GGD221.1U	142	On/Off	120 Vac	—	—	15/15	MS4120F1006	175	On/Off	120 Vac	—	—	15/15
GGD321.1U	142	On/Off	230 Vac	—	—	15/15	MS4620F1005	175	On/Off	230 Vac	—	—	15/15

[a] All models described as (0)2-10 Vdc can be used with a 4-20 mA control input. Shunt a 500 ohm, 1/2W resistor across the input at the actuator.

JOHNSON CONTROLS

Table 3. Johnson Controls DCA.

Johnson Controls Model	Torque (lb-in)	Control Signal	Power	Feedback	Switches	Timing (sec)	Honeywell Actuator	Torque (lb-in)	Control Signal[a]	Power	Feedback	Switches	Timing (sec)
M9101-AGA-2N1	10	Floating	24 Vac	—	—	15	ML6131A2002	6	Floating	24 Vac	—	—	15
M9101-AGA-2N2	10	Floating	24 Vac	—	—	15	ML6131A2002	6	Floating	24 Vac	—	—	15
M9104-AGA-2N	35	Floating	24 Vac	—	—	90	ML6161B2024	35	Floating	24 Vac	—	—	90
M9106-AGA-2	53	Floating	24 Vac	—	—	60	ML6174B2019	70	Floating	24 Vac	—	—	90
M9106-AGC-2	53	Floating	24 Vac	—	2	60	ML6174B2019 + 201052B	70	On/Off, Floating	24 Vac	—	2	90
M9106-AGF-2	53	Floating	24 Vac	10k ohms	—	60	ML6174A2002 + 200976C	70	Floating	24 Vac	2K ohms	—	90
M9106-GGA-2	53	0-10 Vdc, 0-20mA	24 Vac	0-10 Vdc, 2-10 Vdc	—	60	ML7174A2001	70	2-10 Vdc, 4-20 mA	24 Vac	—	—	90
M9106-GGC-2	53	0-10 Vdc, 0-20mA	24 Vac	0-10 Vdc, 2-10 Vdc	2	60	ML7174A2001 + 201052B	70	2-10 Vdc, 4-20 mA	24 Vac	—	2	90
M9108-AGA-2	70	Floating, On/Off	24 Vac/dc	—	—	50	ML6174B2019	70	Floating	24 Vac	—	—	90
M9108-AGC-2	70	Floating, On/Off	24 Vac/dc	—	2	50	ML6174B2019 + 201052B	70	On/Off, Floating	24 Vac	—	2	90
M9108-AGE-2	70	Floating, On/Off	24 Vac/dc	1K ohms	—	50	ML6174A2002 + 200976C	70	Floating	24 Vac	2K ohms	—	90
M9108-GGA-2	70	0-10 Vdc, 0-20 Vdc, 0-20 mA	24 Vac/dc	0-10 Vdc	—	50	ML7174A2001	70	2-10 Vdc, 4-20 mA	24 Vac	—	—	90
M9108-GGC-2	70	0-10 Vdc, 0-20 Vdc, 0-20 mA	24 Vac/dc	0-10 Vdc	2	50	ML7174A2001 + 201052B	70	2-10 Vdc, 4-20 mA	24 Vac	—	2	90
M9109-AGA-2	80	Floating	24 Vac	—	—	60	ML6174B2019	70	Floating	24 Vac	—	—	90
M9109-AGC-2	80	Floating	24 Vac	—	2	60	ML6174B2019 + 201052B	70	On/Off, Floating	24 Vac	—	2	90
M9109-GGA-2	80	0-10 Vdc, 0-20 mA	24 Vac	—	—	60	ML7174A2001	70	2-10 Vdc, 4-20 mA	24 Vac	—	—	90
M9109-GGC-2	80	0-10 Vdc, 0-20 mA	24 Vac	—	2	60	ML7174A2001 + 201052B	70	2-10 Vdc, 4-20 mA	24 Vac	—	2	90
M9116-AGA-2	140	Floating, On/Off	24 Vac/dc	—	—	115	MN6120A1002	175	Floating, On/Off	24 Vac	—	—	95
M9116-AGC-2	140	Floating, On/Off	24 Vac/dc	—	2	115	MN6120A1200	175	Floating, On/Off	24 Vac	—	2	95
M9116-GGA-2	140	0-10 Vdc, 0-20 Vdc, 0-20 mA	24 Vac/dc	—	—	115	MN7220A2007	175	(0)2-10 Vdc, 4-20 mA	24 Vac/dc	(0)2-10 Vdc	—	95
M9116-GGC-2	140	0-10 Vdc, 0-20 Vdc, 0-20 mA	24 Vac/dc	—	2	115	MN7220A2205	175	(0)2-10 Vdc, 4-20 mA	24 Vac/dc	(0)2-10 Vdc	2	95

[a] All models described as (0)2-10 Vdc can be used with a 4-20 mA control input. Shunt a 500 ohm, 1/2W resistor across the input at the actuator.

Table 3. Johnson Controls DCA. (Continued)

Johnson Controls Model	Torque (lb-in)	Control Signal	Power	Feedback	Switches	Timing (sec)	Honeywell Actuator	Torque (lb-in)	Control Signal[a]	Power	Feedback	Switches	Timing (sec)
M9116-HGA-2	140	0(2)-10 Vdc, 0(4)-20 Vdc, 0(4)-20 mA, Adjustable zero and span	24 Vac/dc	—	—	115	MN7220A2007	175	(0)2-10 Vdc, 4-20 mA	24 Vac/dc	(0)2-10 Vdc	—	95
M9116-HGC-2	140	0(2)-10 Vdc, 0(4)-20 Vdc, 0(4)-20 mA, Adjustable zero and span	24 Vac/dc	—	2	115	MN7220A2205	175	(0)2-10 Vdc, 4-20 mA	24 Vac/dc	(0)2-10 Vdc	2	95
M9124-AGA-2	210	Floating, On/Off	24 Vac/dc	—	—	175	MN6134A1003	300	On/Off, Floating	24 Vac	-	—	95
M9124-AGC-2	210	Floating, On/Off	24 Vac/dc	—	2	175	MN6134A1003 + SW2-US	300	On/Off, Floating	24 Vac	-	2	95
M9124-GGA-2	210	0-10 Vdc, 0-20 Vdc, 0-20 mA	24 Vac/dc	—	—	175	MN7234A2008	300	(0)2-10 Vdc, 4-20 mA	24 Vac/dc	(0)2-10 Vdc	—	95
M9124-GGC-2	210	0-10 Vdc, 0-20 Vdc, 0-20 mA	24 Vac/dc	—	2	175	MN7234A2008 + SW2-US	300	(0)2-10 Vdc, 4-20 mA	24 Vac/dc	(0)2-10 Vdc	2	95
M9124-HGA-2	210	0(2)-10 Vdc, 0(4)-20 Vdc, 0(4)-20 mA, Adjustable zero and span	24 Vac/dc	—	—	175	MN7234A2008	300	(0)2-10 Vdc, 4-20 mA	24 Vac/dc	(0)2-10 Vdc	—	95
M9124-HGC-2	210	0(2)-10 Vdc, 0(4)-20 Vdc, 0(4)-20 mA, Adjustable zero and span	24 Vac/dc	—	2	175	MN7234A2008 + SW2-US	300	(0)2-10 Vdc, 4-20 mA	24 Vac/dc	(0)2-10 Vdc	2	95
M9132-AGA-2	280	Floating, On/Off	24 Vac/dc	—	—	205	MN6134A1003	300	On/Off, Floating	24 Vac	—	—	95
M9132-AGC-2	280	Floating, On/Off	24 Vac/dc	—	2	205	MN6134A1003 + SW2-US	300	On/Off, Floating	24 Vac	—	2	95
M9132-GGA-2	280	0-10 Vdc, 0-20 Vdc, 0-20 mA	24 Vac/dc	—	—	185	MN7234A2008	300	(0)2-10 Vdc, 4-20 mA	24 Vac/dc	(0)2-10 Vdc	—	95
M9132-GGC-2	280	0-10 Vdc, 0-20 Vdc, 0-20 mA	24 Vac/dc	—	2	185	MN7234A2008 + SW2-US	300	(0)2-10 Vdc, 4-20 mA	24 Vac/dc	(0)2-10 Vdc	2	95

[a] All models described as (0)2-10 Vdc can be used with a 4-20 mA control input. Shunt a 500 ohm, 1/2W resistor across the input at the actuator.

Table 3. Johnson Controls DCA. (Continued)

Johnson Controls Model	Torque (lb-in)	Control Signal	Power	Feedback	Switches	Timing (sec)	Honeywell Actuator	Torque (lb-in)	Control Signal[a]	Power	Feedback	Switches	Timing (sec)
M9206-AGA-2	53	Floating	24 Vac/dc	—	—	90	MS7510A2008	88	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	—	90/20
M9206-AGC-2	53	Floating	24 Vac/dc	—	2	90	MS7510A2206	88	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	2	90/20
M9206-BAA-2	53	On/Off	120 Vac	—	—	40	MS4110A1002	88	On/Off	100-250 Vac	—	—	90/20
M9206-BAB-2S	53	On/Off	120 Vac	—	1	40	MS4110A1200	88	On/Off	100-250 Vac	—	2	90/20
M9206-BGA-2S	53	On/Off	24 Vac	—	—	40	MS8110A1008	88	On/Off	24 Vac/dc	—	—	90/20
M9206-BGB-2S	53	On/Off	24 Vac	—	1	40	MS8110A1206	88	On/Off	24 Vac/dc	—	2	90/20
M9206-GGA-2	53	0-10 Vdc, 6-9 Vdc, 0-20 mA	24 Vac/dc	—	—	90	MS7510A2008	88	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	—	90/20
M9206-GGC-2	53	0-10 Vdc, 6-9 Vdc, 0-20 mA	24 Vac/dc	—	2	90	MS7510A2206	88	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	2	90/20
M9216-AGA-2	140	Floating, On/Off	24 Vac/dc	—	—	130	MS7520A2007	175	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	—	90/20
M9216-AGC-2	140	Floating, On/Off	24 Vac/dc	—	2	130	MS7520A2205	175	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	2	90/20
M9216-BAA-2	140	On/Off	120 Vac	—	—	130	MS4120A1001	175	On/Off	100-250 Vac	—	—	90/20
M9216-BAC-2	140	On/Off	120 Vac	—	2	130	MS4120A1209	175	On/Off	100-250 Vac	—	2	90/20
M9216-BAA-2	140	On/Off	24 Vac	—	—	130	MS8120A1007	175	On/Off	24 Vac/dc	—	—	90/20
M9216-BAC-2	140	On/Off	24 Vac	—	2	130	MS8120A1205	175	On/Off	24 Vac/dc	—	2	90/20
M9216-GGA-2	140	0-10 Vdc, 0-20 mA	24 Vac/dc	0-10 Vdc	—	130	MS7520A2007	175	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	—	90/20
M9216-GGC-2	140	0-10 Vdc, 0-20 mA	24 Vac/dc	0-10 Vdc	2	130	MS7520A2205	175	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	2	90/20
M9216-HGA-2	140	0(2)-10 Vdc, 0(4)-20 mA, Adjustable zero and span	24 Vac/dc	0-10 Vdc	—	130	MS7520H2208	175	0(2)-10 Vdc, 0(4)-20 mA, Adjustable zero and span	24 Vac/dc	(0)2-10 Vdc	2	90/20
M9216-HGC-2	140	0(2)-10 Vdc, 0(4)-20 mA, Adjustable zero and span	24 Vac/dc	0-10 Vdc	2	130	MS7520H2208	175	0(2)-10 Vdc, 0(4)-20 mA, Adjustable zero and span	24 Vac/dc	(0)2-10 Vdc	2	90/20

[a] All models described as (0)2-10 Vdc can be used with a 4-20 mA control input. Shunt a 500 ohm, 1/2W resistor across the input at the actuator.

INVENSYS

Table 4. Invensys DCA.

Invensys Model	Torque (lb-in)	Control Signal	Power	Feedback	Switches	Timing (sec)	Honeywell Actuator	Torque (lb-in)	Control Signal[a]	Power	Feedback	Switches	Timing (sec)
MF40-6043	35	Floating	24 Vac	—	—	90	ML6161B2024	35	Floating	24 Vac	—	—	90
MF40-6043-502	35	Floating	24 Vac	—	2	90	ML6161B2024 + 201052B	35	On/Off, Floating	24 Vac	—	2	90
MF40-6043-510	35	Floating	24 Vac	—	—	90	ML6161A2009 + 200976C	35	On/Off, Floating	24 Vac	2K ohms	—	90
MS40-6043	35	0-10 Vdc	24 Vac	0-10 Vdc	—	90	ML7161A2008	35	2-10 Vdc, 4-20 mA	24 Vac	—	—	90
MS40-6043-502	35	0-10 Vdc	24 Vac	0-10 Vdc	2	90	ML7161A2008 + 201052B	35	2-10 Vdc, 4-20 mA	24 Vac	—	2	90
MS40-6043-520	35	0-10 Vdc, Adjustable zero and span	24 Vac	0-10 Vdc	—	90	ML7161A2008	35	2-10 Vdc, 4-20 mA	24 Vac	—	—	90
MS40-6043-522	35	0-10 Vdc, Adjustable zero and span	24 Vac	0-10 Vdc	2	90	ML7161A2008 + 201052B	35	2-10 Vdc, 4-20 mA	24 Vac	—	2	90
MF40-6083	70	Floating	24 Vac	—	—	120	ML6174B2019	70	Floating	24 Vac	—	—	90
MF40-6153	133	Floating	24 Vac	—	—	120	MN6120A1002	175	Floating, On/ Off	24 Vac	—	—	95
MS40-6083	70	0-10 Vdc	24 Vac	0-10 Vdc	—	120	ML7174A2001	70	2-10 Vdc, 4-20 mA	24 Vac	—	—	90
MS40-6153	133	0-10 Vdc	24 Vac	0-10 Vdc	—	120	MN7220A2007	175	(0)2-10 Vdc, 4-20 mA	24 Vac/dc	(0)2-10 Vdc	—	95
MF40-6343	300	Floating	24 Vac	—	—	145	MN6134A1003	300	On/Off, Floating	24 Vac	—	—	95
MS40-6343	300	2-10 Vdc, 4-20 mA	24 Vac	0-10 Vdc	—	145	MN7234A2008	300	(0)2-10 Vdc, 4-20 mA	24 Vac/dc	(0)2-10 Vdc	—	95
MA40-7153	133	On/Off	24 Vac, 22-30 Vdc	—	—	190/30	MS8120A1007	175	On/Off	24 Vac/dc	—	—	90/20
MA40-7153-502	133	On/Off	24 Vac, 22-30 Vdc	—	2	190/30	MS8120A1205	175	On/Off	24 Vac/dc	—	2	90/20
MA41-7153	133	On/Off	24 Vac, 22-30 Vdc	—	—	190/30	MS8120A1007	175	On/Off	24 Vac/dc	—	—	90/20
MA41-7153-502	133	On/Off	24 Vac, 22-30 Vdc	—	2	190/30	MS8120A1205	175	On/Off	24 Vac/dc	—	2	90/20
MA40-7150	133	On/Off	120 Vac	—	—	190/30	MS4120A1001	175	On/Off	100-250 Vac	—	—	90/20
MA40-7150-502	133	On/Off	120 Vac	—	2	190/30	MS4120A1209	175	On/Off	100-250 Vac	—	2	90/20
MA41-7150	133	On/Off	120 Vac	—	—	190/30	MS4120A1001	175	On/Off	100-250 Vac	—	—	90/20
MA41-7150-502	133	On/Off	120 Vac	—	2	190/30	MS4120A1209	175	On/Off	100-250 Vac	—	2	90/20
MA40-7151	133	On/Off	230 Vac	—	—	190/30	MS4120A1001	175	On/Off	100-250 Vac	—	—	90/20
MA40-7151-502	133	On/Off	230 Vac	—	2	190/30	MS4120A1209	175	On/Off	100-250 Vac	—	2	90/20
MA41-7151	133	On/Off	230 Vac	—	—	190/30	MS4120A1001	175	On/Off	100-250 Vac	—	—	90/20
MA41-7151-502	133	On/Off	230 Vac	—	2	190/30	MS4120A1209	175	On/Off	100-250 Vac	—	2	90/20
MA40-7073	60	On/Off	24 Vac, 22-30 Vdc	—	—	80/40	MS8110A1008	88	On/Off	24 Vac/dc	—	—	90/20

[a] All models described as (0)2-10 Vdc can be used with a 4-20 mA control input. Shunt a 500 ohm, 1/2W resistor across the input at the actuator.

Table 4. Invensys DCA. (Continued)

Invensys Model	Torque (lb-in)	Control Signal	Power	Feedback	Switches	Timing (sec)	Honeywell Actuator	Torque (lb-in)	Control Signal[a]	Power	Feedback	Switches	Timing (sec)
MA40-7073-502	60	On/Off	24 Vac, 22-30 Vdc	—	2	80/40	MS8110A1206	88	On/Off	24 Vac/dc	—	2	90/20
MA41-7073	60	On/Off	24 Vac, 22-30 Vdc	—	—	80/40	MS8110A1008	88	On/Off	24 Vac/dc	—	—	90/20
MA41-7073-502	60	On/Off	24 Vac, 22-30 Vdc	—	2	80/40	MS8110A1206	88	On/Off	24 Vac/dc	—	2	90/20
MA40-7070	60	On/Off	120 Vac	—	—	80/40	MS4110A1002	88	On/Off	100-250 Vac	—	—	90/20
MA40-7070-502	60	On/Off	120 Vac	—	2	80/40	MS4110A1200	88	On/Off	100-250 Vac	—	2	90/20
MA41-7070	60	On/Off	120 Vac	—	—	80/40	MS4110A1002	88	On/Off	100-250 Vac	—	—	90/20
MA41-7070-502	60	On/Off	120 Vac	—	2	80/40	MS4110A1200	88	On/Off	100-250 Vac	—	2	90/20
MA40-7071	60	On/Off	230 Vac	—	—	80/40	MS4110A1002	88	On/Off	100-250 Vac	—	—	90/20
MA40-7071-502	60	On/Off	230 Vac	—	2	80/40	MS4110A1200	88	On/Off	100-250 Vac	—	2	90/20
MA41-7071	60	On/Off	230 Vac	—	—	80/40	MS4110A1002	88	On/Off	100-250 Vac	—	—	90/20
MA41-7071-502	60	On/Off	230 Vac	—	2	80/40	MS4110A1200	88	On/Off	100-250 Vac	—	2	90/20
MA40-7043	35	On/Off	24 Vac, 22-30 Vdc	—	—	50/26	MS8105A1008	44	On/Off	24 Vac/dc	—	—	90
MA40-7043-501	35	On/Off	24 Vac, 22-30 Vdc	—	1	50/26	MS8110A1206	44	On/Off	24 Vac/dc	—	2	90
MA40-7040	35	On/Off	120 Vac	—	—	50/26	MS4105A1002	44	On/Off	100-250 Vac	—	—	90
MA40-7040-501	35	On/Off	120 Vac	—	1	50/26	MS4110A1200	44	On/Off	100-250 Vac	—	2	90
MA40-7041	35	On/Off	230 Vac	—	—	50/26	MS4105A1002	44	On/Off	100-250 Vac	—	—	90
MA40-7041-501	35	On/Off	230 Vac	—	2	50/26	MS4110A1200	44	On/Off	100-250 Vac	—	2	90
MF40-7153	133	Floating	24 Vac, 22-30 Vdc	—	—	190/30	MS7520A2007	175	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	—	90/20
MF40-7153-502	133	Floating	24 Vac, 22-30 Vdc	—	2	190/30	MS7520A2205	175	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	2	90/20
MF41-7153	133	Floating	24 Vac, 22-30 Vdc	—	—	190/30	MS7520A2007	175	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	—	90/20
MF41-715-502	133	Floating	24 Vac, 22-30 Vdc	—	2	190/30	MS7520A2205	175	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	2	90/20
MF40-7073	60	Floating	24 Vac, 22-30 Vdc	—	—	195/30	MS7510A2008	88	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	—	90/20
MF40-7073-502	60	Floating	24 Vac, 22-30 Vdc	—	2	195/30	MS7510A2206	88	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	2	90/20
MF41-7073	60	Floating	24 Vac, 22-30 Vdc	—	—	195/30	MS7510A2008	88	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	—	90/20
MF41-7073-502	60	Floating	24 Vac, 22-30 Vdc	—	2	195/30	MS7510A2206	88	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	2	90/20
MF40-7043	35	Floating	24 Vac, 22-30 Vdc	—	—	130/25	MS7505A2008	44	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	—	90

[a] All models described as (0)2-10 Vdc can be used with a 4-20 mA control input. Shunt a 500 ohm, 1/2W resistor across the input at the actuator.

Table 4. Invensys DCA. (Continued)

Invensys Model	Torque (lb-in)	Control Signal	Power	Feedback	Switches	Timing (sec)	Honeywell Actuator	Torque (lb-in)	Control Signal[a]	Power	Feedback	Switches	Timing (sec)
MF40-7043-501	35	Floating	24 Vac, 22-30 Vdc	—	1	130/25	MS7510A2206	44	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	2	90
MS40-7043	35	2-10 Vdc	24 Vac, 22-30 Vdc	2-10 Vdc	—	130/25	MS7505A2008	44	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	—	90
MS40-7043-501	35	2-10 Vdc	24 Vac, 22-30 Vdc	2-10 Vdc	1	130/25	MS7510A2206	44	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	2	90
MS40-7073	60	2-10 Vdc	24 Vac, 22-30 Vdc	2-10 Vdc	—	195/30	MS7510A2008	88	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	—	90/20
MS40-7073-502	60	2-10 Vdc	24 Vac, 22-30 Vdc	2-10 Vdc	2	195/30	MS7510A2206	88	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	2	90/20
MS41-7073	60	2-10 Vdc	24 Vac, 22-30 Vdc	2-10 Vdc	—	195/30	MS7510A2008	88	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	—	90/20
MS41-7073-502	60	2-10 Vdc	24 Vac, 22-30 Vdc	2-10 Vdc	2	195/30	MS7510A2206	88	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	2	90/20
MS40-7153	133	2-10 Vdc	24 Vac, 22-30 Vdc	2-10 Vdc	—	190/30	MS7520A2007	175	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	—	90/20
MS40-7153-502	133	2-10 Vdc	24 Vac, 22-30 Vdc	2-10 Vdc	2	190/30	MS7520A2205	175	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	2	90/20
MS41-7153	133	2-10 Vdc	24 Vac, 22-30 Vdc	2-10 Vdc	—	190/30	MS7520A2007	175	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	—	90/20
MS401-7153-502	133	2-10 Vdc	24 Vac, 22-30 Vdc	2-10 Vdc	2	190/30	MS7520A2205	175	(0)2-10 Vdc, On/Off, Floating	24 Vac/dc	(0)2-10 Vdc	2	90/20
MA40-7173	150	On/Off	24 Vac	—	—	145	MS8120A1007	175	On/Off	24 Vac	—	—	90/20
MA40-7170	150	On/Off	120 Vac	—	—	145	MS4120A1001	175	On/Off	100-250 Vac	—	—	90/20
MA40-7171	150	On/Off	230 Vac	—	—	145	MS4120A1001	175	On/Off	100-250 Vac	—	—	90/20
MS50-E2301	150	1-5 Vdc, 4-20 mA	24 Vac	—	—	145	MS7520H2208	175	0(2)-10 Vdc, 0(4)-20 mA, Adjustable zero and span	24 Vac/dc	(0)2-10 Vdc	2	90/20
MF50-7173	150	Floating	24 Vac	—	—	145	MN6120A1002	175	Floating, On/Off	24 Vac	—	—	95

[a] All models described as (0)2-10 Vdc can be used with a 4-20 mA control input. Shunt a 500 ohm, 1/2W resistor across the input at the actuator.

NOTES

Honeywell

Automation and Control Solutions
Honeywell International Inc.
1985 Douglas Drive North
Golden Valley, MN 55422

Honeywell Limited-Honeywell Limitée
35 Dynamic Drive
Scarborough, Ontario
M1V 4Z9

63-8563—2 B.B. Rev. 10-04

Printed in U.S.A. on recycled paper containing at least 10% post-consumer paper fibers.

www.honeywell.com