



Digi ELECTRIC ACTUATORS

**Currently used on
DLO, DBOY & GTW**

- **Electric Motor Voltages** available 24 VAC, 115 VAC, 230 VAC, 400 VAC 3 phase or 24 VDC
- **Controller Accepts Analog Signals** 4-20 mA, 0-10 VDC (Profibus optional)
- **IP 65 or IP 55 Rated Enclosure** protects electric components in dirty environments
- **Manual Handwheel** permits easy operation if electric power is lost
- **High Thrust Motor** permits shutoff to 750 psi
- **Digital Actuator Control** assures precise control, fast setup and high level of safety
- **Stall Proof Precision Motor** provides accurate positioning without burnout
- **Pushbutton Setup at Actuator** facilitates setting and maintenance
- **Thrust** up to 2248 lb3/f
- **Stroke** up to 3.15 inches
- **Speeds** from 15 s/inch to 100 s/inch

APPLICATION DATA

- Modulating control and On/Off applications for light industrial and institutional liquid and steam systems.

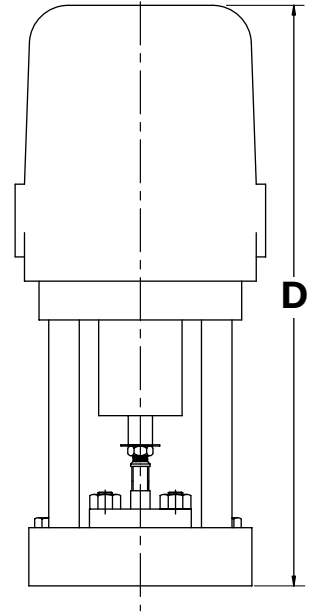
OPTIONS

- Positioner
- Additional Position Feedback
- Heater
- Additional Limit Switches

Digi ELECTRIC ACTUATORS SPECIFICATIONS

DIMENSIONS inches AND WEIGHTS pounds

Model	Max Stroke (in.)	Max Thrust (lb/ft)	Sec/ Inch	Rating	Power Supply	Power Consumption	Ambient Temp Limits	D	Wgt.
ST5112	1.57 (40)	674	25-100	IP-65	24VAC. 115 VAC. 230 VAC. 1 phase 400 VAC. 3 phase or 24 VDC	18VA	-4°F to 158°F	16 ¹¹ / ₁₆ (424)	12 (5.5)
ST5113	2.36 (60)	1348	15-181	IP-55		72VA	-4°F to 140°F	21 ¹ / ₈ (541)	23 (10.5)
ST5114	3.14 (80)	2248	15-91	IP-55		66VA		21 ¹⁵ / ₁₆ (558)	



LINEAR

DBOY CLASS IV SHUTOFF

VALVE SIZE	VALVE STROKE (IN)	MAXIMUM DELTA P (PSI)		
		ST5112	ST5113	ST5114
2	3/4	750	—	—
2½	7/8	600	—	—
3	1	600	750	—
4	1¼	—	750	—
6	2	—	350	500
8	2¾	—	—	300

DLO CLASS IV SHUTOFF

TRIM SIZE	VALVE STROKE (IN)	MAXIMUM DELTA P (PSI)		
		ST5112	ST5113	ST5114
¼	¾	700	—	—
½	¾	700	—	—
¾	¾	700	—	—
1	¾	500	700	—
1½	¾	250	450	700
2	1	200	250	550
2½	1¼	139	150	300
3	1½	—	100	200
4	2	—	75	125

GTW CLASS IV SHUTOFF

VALVE SIZE	VALVE STROKE (IN)	MAXIMUM DELTA P (PSI)		
		ST5112	ST5113	ST5114
½	15/32	3280	1200	686
¾	15/32	1458	1000	305
1	11/16	699	900	172
1½	15/16	212	600	65
2	¾	—	400	50
2½	7/8	—	301	40
3	1	—	202	30
4	1¼	—	123	20
6	2	—	55	—
8	2¾	—	31	—
10	3	—	20	—
12	3½	—	14	—

DIGI ACTUATOR ORDER CODE

Product ID		Basic Actuator							Motor Voltage	Positioner	Valve Stroke	Heater Option	Add'l Switches	Extra Feedback Pots	Valve Type	Valve Size/Trim Size
S	T	5	1	1	2	-	3	2	B	2	A	C	A	N	2	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

Product ID - Position 1 & 2 ST = Digi Actuator		Basic Actuator - Position 3-9 5112-32 = 100 Sec/in 1 Phase 24V, 115V (120V), 230V 50/60 Hz AC, 24V DC ----- 5112-33 = 50 Sec/in 1 Phase 24V, 115V (120V), 230V 50/60 Hz AC, 24V DC ----- 5112-34 = 25 Sec/in 1 Phase 24V, 115V (120V), 230V 50/60 Hz AC, 24V DC ----- 5113-06 = 15 Sec/in 3 Phase 400V, 50/60 Hz AC ----- 5113-07 = 15 Sec/in 1 Phase 115 & 230V, 50/60 Hz AC ----- 5113-14 = 29 Sec/in 3 Phase 400V, 50/60 Hz AC ----- 5113-34 = 58 Sec/in 3 Phase 400V, 50/60 Hz AC ----- 5113-51 = 181 Sec/in 1 Phase 24V, 115V, 230V, 50/60 Hz AC, 24V DC ----- 5113-15 = 29 Sec/in 1 Phase 24V, 115V, 230V, 50/60 Hz AC, 24V DC ----- 5113-35 = 58 Sec/in 1 Phase 24V, 115V, 230V, 50/60 Hz AC, 24V DC							5113-53 = 91 Sec/in 1 Phase 24V, 115V, 230V, 50/60 Hz AC, 24V DC ----- 5114-17 = 29 Sec/in 1 Phase 24V, 115V, 230V, 50/60 Hz AC ----- 5114-36 = 58 Sec/in 3 Phase 400V, 50/60 Hz AC ----- 5114-54 = 91 Sec/in 3 Phase 400V, 50/60 Hz AC ----- 5114-37 = 58 Sec/in 1 Phase 24V, 115V, 230V, 50/60 Hz AC, 24V DC ----- 5114-55 = 91 Sec/in 1 Phase 24V, 115V, 230V, 50/60 Hz AC, 24V DC ----- 5114-06 = 15.38 Sec/in 3 Phase 400V, 50/60 Hz AC ----- XXXX-XX = Other	Motor Voltage - Position 10 A = 24 VDC B = 115 VAC C = 230 VAC D = 24 VAC E = 400 VAC X = Other	Positioner - Position 11 N = None (On-Off) 1 = RE3446 (4-20mA) Analog type 2 = RE3446 (0-10 VDC) Analog type X = Other	Valve Stroke - Position 12 A = .75" to 1" B = 1.25" C = 1.5" D = 2" to 3" X = Other	Heater Option - Position 13 N = None A = 24 VDC (E68717) B = 115 VAC (E68718) C = 230 VAC (E68719) X = Other	Add'l Switches - Position 14 N = None A = 250 Volt 10 Amp (Qty 2) (E68720) X = Other	Extra Feedback Pots - Position 15 N = None 1 = 1000 Ohm X = Other	Valve Type - Position 16 N = None 1 = DLO 2 = DBOY 3 = GTW X = Other	Valve Size (DBOY) Valve Trim (DLO) - Position 17 N = None A = .5" B = .75" C = 1" D = 1.5" E = 2" F = 2.5" G = 3" H = 4" J = 6" K = 8" X = Other
--	--	---	--	--	--	--	--	--	---	--	---	---	--	--	---	--	---