

WOODWARD ACTUATOR AND VALVE SELECTOR #51253

Product Type	Output	Input Power	Special Driver	Input Control Signal	Prod Spec	Man	Comments
Woodward Electronic Controls: 723, 733, 828, Peak 150, 2301-D family, 505, 505E, 505DE, 505CC-2, Atlas 8273-2xx/4xx, SPC 8200-224/225, MicroNet cards 5501-432 +/-245mA adjustable 5464-544 0-200 mA				APD Analog Proportional Drivers			Use a MicroNet 2 channel controller or 4 channel proportional card with no position feedback, Atlas (except older versions 8273-0xx) or an SPC
				AID Analog Integrating Drivers			Use a MicroNet 2 channel controller with integrating output and LVDT/RVDT excitation or an SPC
SPC Servo Position Control	./-250 mA, +/-100 mA, +/-50 mA, +/-10 mA, 0-250 mA, 0-100 mA, 0-50 mA, 0-25 mA feedback LVDT/RVDT or 4-20 mA	18-32 Vdc to driver	8200-224 (standard) 8200-225 (marine) 8200-226 Updated	4-20 mA, Devicenet over CAN, Position demand signal.	03254	26236	Uses a proportional input signal for use with proportional or integrating actuators. Replaces the old DRFD, in most applications. Configurable through a RS-232 SPC Service Tool

Gas Turbine Valves

Liquid Fuel Applications

LQ3/LQ25/ LQ25T Liquid Valves with single turn resolver	80 to 26,000 lb/hr flow w/1200 psig inlet Max	18-32 Vdc, 20 A to driver	9907-135 Analog driver with single resolver	4-20 mA	40174	LQ3=26087, LQ25=26161, LQ25T=26162	LAT (Limited Angle Torque) Motor drive signal with single Resolver excitation and feedback
LQ25 Liquid Valves with three turn resolver	100 to 26,000 lb/hr flow w/1400 psig inlet Max	18-32 Vdc, 20 A to driver	8200-314 Digital driver with dual resolver for GAP 3.0 and above and 8200-170 for use with GAP 2.08	4-20 mA, RS-485 (RT SI/O)	40179	26162=valve 26159=driver	LAT Motor drive signal with a dual Resolver excitation and feedback. Requires a 3 speed resolver, For GAP 3.xx; typically used on DLE applications. Can also be used in single resolver applications Uses RS-232 DIP (driver interface program) for setup
1907/TM55 Proportional	150 to 25,000 lb/hr w/2500 psig inlet Max	400 to 1000 psig external supply oil	None-Connects directly to controller	20-200 mA, Proportional See APD	40125	45002	
1907/TM55 Integrating	150 to 25,000 lb/hr w/2500 psig inlet Max	400 to 1000 psig external supply oil	Requires an integrating driver	./-200 mA Integrating, See AID	40125	45002	
1907/EM35 with single resolver	150 to 25,000 lb/hr w/2500 psig inlet Max	18-32 Vdc, 25 A to driver	9907-127 Digital driver with single resolver 9907-067 Analog driver with single resolver	4-20 mA, Proportional See APD or signal from a MicroNet PCM (position control module)	40158	40159 = valve 40161 = digital driver 40152 = analog driver	3 phase motor field director and tach for commutation signal with single resolver excitation and single feedback hard overcurrent shutdown, Non-preferred and Not for new applications Not CE
1907/EM35 with dual resolver	150 to 25,000 lb/hr w/2500 psig inlet Max	18-32 Vdc, 25 A to driver	9907-126 Digital driver w/ dual resolver	4-20 mA, Proportional See APD or signal from a MicroNet PCM (position control module)	40158	40159 = valve 40161 = digital driver	3 phase motor field director and tach for commutation signal with dual resolver excitation and single feedback
LSOV25 Liquid Shutoff Valve 25	30,000 lb/h, 1200psig max, closes in 0.1 s	24Vdc or 125Vdc nominal, on/off 20 W nominal	None-Connects directly to controller	On/Off Command	40169	40148	

Water Injection Applications

3151A Water Valve with EML100 Actuator	78 US gal/min max. at 350 to 1500 psig	18-32 Vdc, 20 A to driver	8200-177 EM 24V Digital driver w/ single resolver 8200-176 EM 24 V Dig. dr. w/ dual resolver	4-20 mA, RS-485 (RT SI/O)	40187	40181 = valve 26159 = driver	3 phase 24 V drive signal w/ resolver for motor commutation along with resolver excitation & single or dual position feedback. Uses RS-232 DIP (driver interface program) for setup
3151A Water Valve with TM40 Actuator Proportional	78 US gal/min max. at 350 to 1500 psig	400-1200 psig hydraulic oil, 5.2 gal/min max	None-Connects directly to controller	20-160 mA, Proportional See APD	40119	40120 = valve	RVDT not required but used for confirmation