

ACT993 & ACT996

Modulating actuator for use with 2 & 3 port control valves

Features and benefits

- Highly responsive due to the fast open/close time of 5s/mm for ACT993 and 1.1s/mm for ACT996
- Extremely precise with excellent repeatability due to the accurate stepper motor
- Automatic calibration upon start up
- Selectable modulating or floating operation
- Valve isolation functionality and high differential pressure capability due to powerful force.
- Feedback as standard via 2-10v signal
- Failsafe option (ACT993FS) available via super capacitor

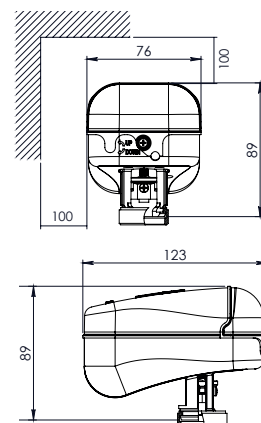


ACT993

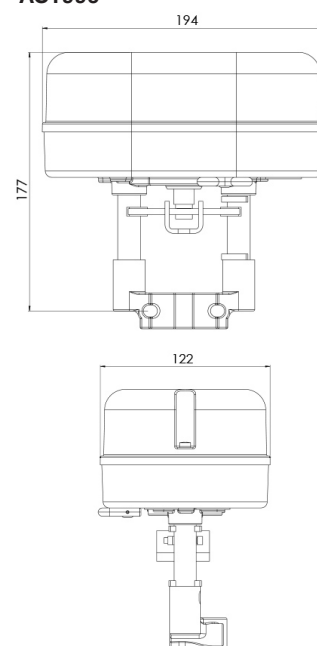
CHARACTERISTIC			DESCRIPTION
Power Supply			24Vac/dc ± 10% 230V option available for ACT993TP
Speed			5 s/mm
Force	ACT993	300N	
	ACT996	600N, 1000N, 1500N, 2200N options available	
Cable			5 wires, 1.5m (CEI 20-22/II)
Weight	ACT993	0.4kg	
	ACT996	1.6kg	
Protection degree			IP54
Feedback signal			2-10V
Charging time for supercapacitors	ACT993	~45 sec	
	ACT996	~120 sec	
Speed in emergency positioning		ACT993FS	5 s/mm
Transformer sizing	ACT993	30VA	
	ACT996	32VA	
	ACT996 2200N	50VA	
Consumption	Supercapacitor charging	ACT993	12W
		ACT996	6W
	Moving	ACT996 600N	6W
		ACT996 1000N	8W
		ACT996 1500N	11W
		ACT996 2200N	10W
	Holding Position	ACT993	1.5W
		ACT996 600N	5W
		ACT996 1000N	5W
		ACT996 1500N	7W
ACT996 2200N		4W	
Manual override	ACT993	with 3mm hex key	
	ACT996	with integrated handle	
Operating temp			-5°C to 55°C
Storage temp			25°C to 55°C
Reference Directive and Standards			EMC 2014/30/UE according to EN 61326-1:2013

Dimensions

ACT993



ACT996



SPECIFICATION:

The actuator shall have an auto calibration function and operate with a speed of 5s/mm for valves up to 2" and 1.1s/mm for valves 65-200mm. For valves up to 2" the actuator should use a M30x1.5 thread with no tools or adaptors required. For valves 65-200mm the actuator should use a yoke and clamp bolt for secure fitting. The actuator should be of push pull type, with rigid coupling to the valve stem. Shall be provided with 24V power supply. As per Crane FS ACT993 and ACT996

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