

ELECTRIC QUARTER TURN ACTUATOR MODEL: HQ-004



**Convergent
Water
Controls**

FEATURES AND BENEFITS

- Compact and lightweight design due to high grade aluminium housing.
- High corrosion resistance due to hard anodizing internally and externally.
- High quality polyester powder coating internally and externally.
- Space heater (0.5W) standard preventing moisture and condensation build up.
- 4 limit switches (2 operation Open/Close, 2 additional for clients use).
- Multi voltage capabilities.
- Manual over-ride standard via the use of a push button and lever.
- Multiple drillings on mounting base (to ISO5211) allows easy mounting.
- Mechanical position indicator as well as LED lamp indicators (open/close) are standard.
- Pre-wired with lead type cable wires
- Captive cover bolts

OPTIONS

- High speed operation (6.5sec)
- Potentiometer unit (1K-10K)
- Proportional control unit (in/out: 0-10V, 4-20mA)
- Current position transmitter (output 4-20mA DC)

APPLICATIONS

Challenger Valves and Actuators are the ***“Right Choice for Valves and Actuation”*** when quality matters.

HQ 004 electric actuator is specially designed for small size quarter turn valve operation such as Ball, Butterfly, Plug valves/Dampers and similar usages.

Servicing industries such as : Water & Waste Water, Mining, Desalination, Pumping, Industrial Processing, Irrigation, Materials Handling and Chemical Services.



TECHNICAL SPECIFICATION

Construction : Quarter turn electric actuator

Voltage Rating: 85-265V AC, 24V DC

Maximum Output Torque: 40Nm

Operating Time: 10-12 seconds

Mounting: ISO 5211 (F03, F04, and F05)

Enclosure: IP67

Rated Current: 110V AC - 012A

240V AC - .06A

24V DC - .46A

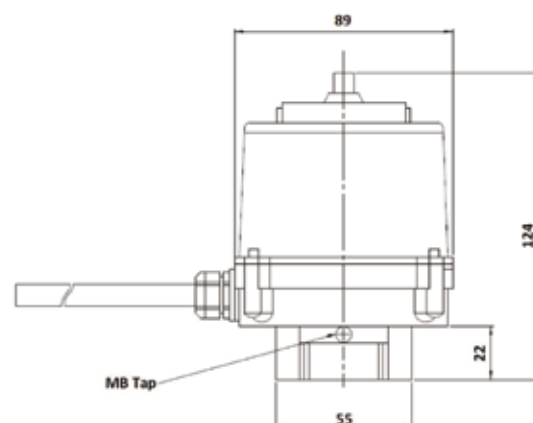
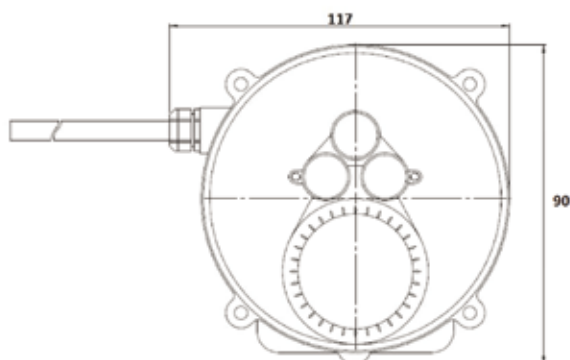
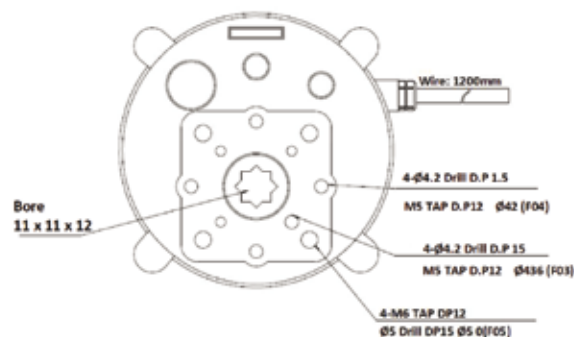
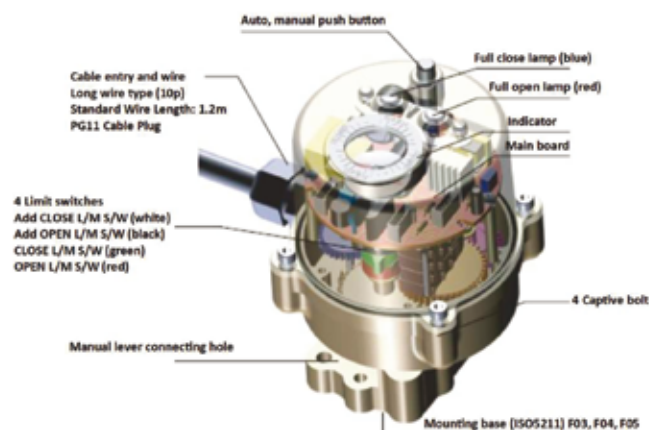
Duty Cycle: 50% (S2)

Temperature Range: -20°C to 80°C

Cable Entry: PG11 x 1



TECHNICAL DATA: DIMENSIONS



SIZING ACTUATORS TO SUIT CHALLENGER VALVES:						
MODEL	S/S 3pce Ball Valve (SS3301)	S/S 3 way Ball Valve (SS490)	S/S Flanged Ball Valve (SS901D)	Brass Ball Valve (BS01)	Brass 3 way Ball Valve (BS10/BS05)	PVC True Union (PVC7/PVC8)
HQ004	008	008	015	008	008	015
	010	010	020	010	010	020
	015	015	025	015	015	025
	020	020	-	020	020	032
	025	025	-	025	025	040
	032	-	-	032	032	050
	-	-	-	040	-	-
	-	-	-	050	-	-

HQ-004 WIRING DIAGRAM

