

## ITQ 0160-0240



- Compact and robust design suitable for butterfly valve & damper automation
- Standard weatherproof (IP67) (Optional Explosion Proof (Ex II B T4 and IP68))
- Aluminum alloy housing with epoxy polyester coated outside
- Output Torque: 160Nm (16Kg.m), 240Nm (24Kg.m)

General Specifications	
Enclosure	Weatherproof, IP67, NEMA4 and 4X, O-ring Sealed
Power Supply	110/220V AC, 1Ph(50/60Hz) ± 10 %, 24V DC
	380/440V AC, 3Ph(50/60Hz) ± 10 %
Control Power	110/220V AC, 1Ph(50/60Hz) ± 10 %
Duty Cycle (ON-OFF)	S2:Max30min
Duty Cycle (Modulating)	S4: 50%, 1200 Start/ Hour
Motor	Induction Motor with Thermal Protector
	(High150°C±5°C/Low97°C±15°C)
Limit Switches	4 x SPDT (2 for Close, 2 for Open), 250VAC, 16A
Torque Switches	2 x SPDT (1 for Close, 1 for Open), 250VAC, 16A
Travel Angle	90 ° ± 10 % by external adjustable mechanical stopper
Position Indication	Continuous mechanical indicator with arrow
Manual Override	De-clutchable
Self Locking	Provided by double worm gearing (no brake)
Mechanical Stopper	1 each for each travel end (open & close), external & adjustable
Terminal Block	Screw and Lever Push Type (Spring Loaded)
Cable Entries	2 - PF3/4", NPT3/4", M25X1.5
Space Heater	5W(110/220VAC) for anti-condensation
Ambient Temperature	Basic Actuator: -20~+70°C
	c/w Control Option: -10°C~+60°C
Ambient Humidity	90% RH Max (Non-Condensing)

Technical Specification			
Model		ITQ0160/0240	
Rated Torque (Nm)		160Nm (16Kg.m), 240Nm (24Kg.m)	
Operating Time (Sec) 110/220V AC (50Hz)		26sec	
Operating Time (Sec) 110/220V AC (60Hz)		22sec	
Operating Time (Sec) 24VDC		33(ITQ0160)/34(ITQ0350)	
Max. Bore Size (mm)			
Key ( )		25mm	
Square ( )		23mm	
Motor Insulation Class		F	
Amp Draw	Main Power	50Hz (Running/Max)	60Hz (Running/Max)
	110 Volt	(1.60/2.26), (1.62/2.26)	(1.70/2.38), (1.72/2.38)
	220 Volt	(0.85/1.07), (0.87/1.07)	(0.90/1.12), (0.90/1.12)
	380 Volt	(0.30/0.60), (1.62/2.26)	(0.30/0.59), (0.32/0.59)
	440 Volt	(0.30/0.69), (0.32/0.69)	(0.30/0.59), (0.32/0.65)
	24VDC	(1.8/3.2), (2.4/4.8)	
No. of Handwheel		12	
ISO 5211 Mounting Flange		ISO F07/10 flange	
Weight (Kg)		15Kgs	

\* Available Options: EX, WT, ALS, ATS, EXT, PK, CT, RPC, LP4, LM4, ICM1, II, BP  
 AC/DC Converter

\* DC 24V: Applicable to ITQ 0100-0500