

rotork®

Controls



IQT-N Range

Marine Navy Applications

In a world where operability and reliability are of paramount importance, the IQT-N actuator builds upon the success of the original IQT electric actuator.

Specifically designed to meet the needs of modern warship design, the IQT-N has been independently tested for shock tolerance and meets the requirements of most worldwide surface ship applications.

The compact IQT-N actuator offers a low cost, reliable, virtually maintenance free, lightweight 'fit and forget' solution which offers control options fitting with the management of shipboard critical systems.

Various optional upgrades are available including:

- Fire protection exceeding ANSI/API607 and UL1709 (1,093 °C / 2,000 °F for 30 minutes)*

IQ-Insight PC software, when used in conjunction with the Rotork *Bluetooth*® Setting Tool Pro, allows all IQ set-up configuration and datalogger information to be transferred to a PC, reviewed analysed and reconfigured. Reconfigured files can then be uploaded to the actuator.

IQT-N offers the following powerful features

- 3-phase and 1-phase power supplies
- Modulating duty option
- Full-turn and multiport option
- Shock tolerant
- Compact design
- Environmental protection to IP68 (7 m for 72 hours)

Setting Tool Pro features

- Stores downloaded data for analysis with IQ Insight PC software
- Fast, easy configuration of multiple actuators on-board using transferable settings feature
- Intrinsically safe robust construction

ACTUATOR	MAXIMUM TORQUE
IQT-N125	125 Nm / 92 lbf.ft
IQT-N250	250 Nm / 185 lbf.ft
IQT-N500	500 Nm / 369 lbf.ft
IQT-N1000	1,000 Nm / 738 lbf.ft
IQT-N2000	2,000 Nm / 1,476 lbf.ft

* Please consult Rotork for various options such as semi-rigid enclosures (blankets). Intumescent coating is not available for this product.

Dimension	Measurement (mm)	
	IQT-N 125-500	IQT-N 1000-2000
A	186	249
B	135	123
C	203	246
D	127	170
E	277	340
F	94	157
G	225	227
H	130	128
I	190	253
J	134	198
K	98	98
L	109	172
M	105	105

N = **IQT-N 125-500:** 4 x MOUNTING HOLES TAPPED 16 mm DEEP: EITHER ISO5211 F10 (M10x1.5p ON A 102 PCD) OR MSS SP-101 FA10 (3/8"-16 UNC ON A 4" PCD)
IQT-N 1000-2000: 4 x MOUNTING HOLES TAPPED 22 mm DEEP: EITHER ISO5211 F14 (M16x2.0p ON A 140 PCD) OR MSS SP-101 FA14 (5/8"-11 UNC ON A 5.5" PCD)

O = **IQT-N 125-500:** DRIVE COUPLING - ISO5211 (42 mm MAX BORE) MSS SP-101 (1.65" MAX BORE)
IQT-N 1000-2000: DRIVE COUPLING - ISO5211 (60 mm MAX BORE) MSS SP-101 (2.36" MAX BORE)

A full listing of the Rotork sales and service network is available on our website.

www.rotork.com

Corporate Headquarters
 Rotork plc
 tel +44 (0)1225 733200
 fax +44 (0)1225 333467
 email mail@rotork.com

- Controls**
Electric Actuators and Control Systems
- Fluid Systems**
Fluid Power Actuators and Control Systems
- Gears**
Gearboxes and Gear Operators
- Instruments**
Precision Control and Indication
- Site Services**
Projects, Services and Retrofit