Certificate of Compliance

Certificate: 70005763 **Master Contract:** 153247

Project: 80004783 **Date Issued:** December 17, 2019

Issued to: **Rotork Controls Inc.**
675 Mile Crossing Blvd
Rochester,
NY, 14624
UNITED STATES

Attention: **Ugo Onyechi**

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only

Issued by: Jeremy Lim

PRODUCTS

CLASS 2252-06 - PROCESS CONTROL EQUIPMENT
CLASS 2252-86 - PROCESS CONTROL EQUIPMENT - (Certified to U.S. Standards)

Electric Valve Actuators, IQT Range, Models:
IQT125, IQT250, IQT500, IQT1000 and IQT2000: IQTF50, IQTF100, IQTF125, IQTF250, IQTF500, IQTF1000 and IQTF2000, rated 24Vdc or < 600V three/single phase 50/60Hz. Nominal 60 starts at a rate of not exceeding 600 starts per hour, 15 Minutes rated based upon a nominal 75% of rated torque.

IQT1500, IQTF1500, IQT3000 and IQTF3000, rated 24Vdc or < 600V three/single phase 50/60Hz. Nominal 60 starts at a rate of not exceeding 600 starts per hour, 15 Minutes rated based upon a nominal 50% of rated torque.

Electric Valve Actuators, IQTM Range, Models:
IQTM125, IQTM250, IQTM500, IQTM1000 and IQTM2000: IQTFM125, IQTFM250, IQTFM500, IQTFM1000 and IQTFM2000, rated 24Vdc or < 600V three/single phase 50/60Hz. Nominal 1 200 starts per hour, 50% duty cycle based upon 50% of modulating rated torque.

IQTM1500, IQTFM1500, IQTM3000 and IQTFM3000, rated 24Vdc or < 600V three/single phase 50/60Hz. Nominal 1 200 starts per hour, 50% duty cycle based upon 33% of modulating rated torque.

For details related to rating, size, configuration, etc. reference should be made to the CSA Certification Record or the descriptive report.

CONDITIONS OF ACCEPTABILITY

(1) Thermal protection devices are installed within the motor windings. There is a facility to override these devices should the user find it necessary .The overriding of the thermal protection devices is not covered by the scope of this approval.

(2) The scope of this approval does not include any safety related function or reliability of the equipment.

(3) The ambient temperature in the field wiring enclosure may exceed 85°C when the equipment is utilized in a 70°C local ambient. This must be considered when selecting field wiring conductors.

(4) For safety reasons the same voltage level must be connected to all of the actuators indication relay terminals, remote input relay terminals and digital I/O terminals(if applicable). All external circuits must be provided with insulation suitable for the rated voltage whilst considering National Regulations and Statutory Provisions. In the event that this is not possible or you are in any doubt of how to comply the user must contact the manufacturer.

(5) If at any time there is a conflict between the system safety provisions and any relevant local (national or regional) requirements, the local requirements always take precedence.

(6) When the Shutdown Battery Pack is in use, the actuator operates at nominal 60 starts at a rate of not exceeding 600 starts per hour, 15 minutes (25% duty cycle) rated based at 60°C ambient temperature and 10 minutes (10% duty cycle) rated based at 70°C on a nominal torque of 75% of rated torque.

(7) Model IQT3 series can be used to an altitude up to 5000m for variants with voltages up to 24Vdc and 480 (600)Vac~ input range, without battery back-up option, no user input or output facilities except for 24VDC input I/O. Mains network system allowed limited to TT, IT, TN-C-S and 3 phase/wire systems as per Annex I of 61010-1.

APPLICABLE REQUIREMENTS

CSA Standards:

CAN/CSA-C22.2 No. 61010-1-12, UPD1: 2015, UPD2: 2016	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements

UL Standards:

UL 61010-1, 3rd edition (2012)	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirement

MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

(1) Submitter's identification (company name and/or file number and/or registered trade name);
(2) Marking on the unit that indicates the manufacturing location if the equipment is manufactured at more than one factory location.
(3) Model designation;
(4) Electrical rating;
(5) Date of manufacture: Year of manufacture.

The following additional markings are also provided:

(1) The warning "DO NOT OPEN WHILST ENERGISED" ("ATTENTION: NE PAS OUVRIR SOUS TENSION")
(2) The warning "Wiring may exceed 85°C in a 70°C ambient
    a. ("Câblage peut dépasser 85°C dans une ambiance 70°C")
(3) TERMINAL markings: The terminals are identified numerically; terminal number identification is supplied in the form of an inlay card included within the terminal enclosure which cross references with a wiring diagram supplied with each piece of equipment.

Marking Method: The information labels comprises aluminum which is laser etched, ink filled, mechanically attached.