Certificate of Compliance

Certificate: 70005769 **Master Contract:** 153247

Project: 70104493 **Date Issued:** March 27, 2017

Issued to: **Rotork Controls**
675 Mile Crossing Blvd
Rochester, NY 14624
USA
Attention: Matt Cogill

The products listed below 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 US Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only

C US

Issued by:

Stewart Finch IEng

PRODUCTS

CLASS 2258 02- PROCESS CONTROL EQUIPMENT- For Hazardous Locations
CLASS 2258 82- PROCESS CONTROL EQUIPMENT - For Hazardous Locations – Certified to US Standards

Class I, Div. 1, Groups B, C and D; Class II, Div 1: Groups E, F and G T4; Type 4X and 6:

The Remote Hand Station (RHS), supply input rated 24 Vdc (±10%), 1 A, output control area network (CAN), continuously rated; Temperature Code T4; –50 ºC ≤ Tamb. ≤ +70ºC.

Class I, Div. 1, Groups C and D; Class II, Div 1: Groups E, F and G; T4; Type 4X and 6:

The Remote Hand Station (RHS), supply input rated 24 Vdc (±10%), 1 A, output control area network (CAN), continuously rated; Temperature Code T4; –50 ºC ≤ Tamb. ≤ +70ºC.

CONDITIONS OF ACCEPTABILITY

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

(2) The RHS is to be supplied electrically from a Rotork IQ3 or IQT3 Electric Valve Actuator, or equivalent via a CAN bus communication network.

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

APPLICABLE REQUIREMENTS

C22.2 No. 25-1966(R2014)	-	Enclosures for Use in Class II, Groups E, F and G Hazardous Locations
C22.2 No. 30-M1986(R2012)	-	Explosion-Proof Enclosures for Use in Class I Hazardous Locations
CAN/CSA-C22.2 No 94.2-07 (R2012)		Enclosures for electrical equipment, environmental considerations
CAN/CSA-C22.2 No. 61010-1-12	-	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements
FM 3600:2011	-	Approval Standard for Electrical Equipment for Us in Hazardous (Classified) Locations – General Requirements
FM 3615:2006	-	Approval Standard for Explosionproof Electrical Equipment General Requirements
FM 3616:2011	-	Approval Standard for Dust-Ignitionproof Electrical Equipment General Requirements
UL50E:2012		Enclosures for Electrical Equipment, Environmental Considerations
ANSI/ISA-61010-1(82.02.01) 3rd Edition	-	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements

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.

There are two marking labels, one is applied to the side of Back Housing, whilst one is applied to the Terminal Compartment lid, marking details are include on drawing AD1430, pages 1,2 and 5.

In all cases the marking is applied to aluminium sheet to BS 1470 NS4, anodized black background with silver lines, characters text and symbols laser or acid etched and secured with screws.

Location: Side of the Back Housing

- Company name; Rotork Controls Ltd **or** Rotork Controls Inc **or** Rotork UK
- Company address; Bath, England **or** 675 Mile Crossing Blvd Rochester, NY 14624 **or** Leeds, England
- Hazardous Location designation: "Class I, Div. 1, Groups B, C, D T4; Class II, Div. 1, Groups E, F, G T4;" or "Class I, Div. 1, Groups C, D T4; Class II, Div. 1, Groups E, F, G";
- Serial number; *as appropriate*
- Wiring diagram number; *as appropriate*
- Model; Remote Hand Station
- Special Purpose Enclosure Ratings: "Type 4 X, 6"
- T-class; T4
- Electrical Input Rating; 24 Vdc, 1.0 A
- Unit weight; 9 kg
- Ambient Temperature Tamb -30 ºC to +70 ºC" or "Tamb -40 ºC to +70 ºC" or "Tamb -50 ºC to +40 ºC";
- CSA Monogram.

(Note – Submitter hazardous location markings may also include reference to Class I, Zone 1, IIB or IIB + Hydrogen, based upon CSA TN -076).

Location: Terminal Enclosure Lid

- Caution symbol possibility of electric shock.
- The statement: "WARNING: Do not open when an energized" in English and French;
  The statement: "Wiring may exceed 70°C in a 70°C ambient" in English and French;
- The statement: "Conduit sealed at enclosure" in English and French.

Supplement to Certificate of Compliance

Certificate: 70005769 **Master Contract:** 153247

The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
70104493	March 27, 2017	Introduction of an alternative back housing
		Addition of Rotork UK, 9 Brown Lane West, Leeds, West Yorkshire, LS12 6BH as an alternative applicant/manufacturing site.
		Change the product name from 'IQ3 Remote Hand Station' to 'Remote Hand Station', and amend the product description as necessary.
70059192	February 04, 2016	Introduction of alternative transfer bush dimension
70005769	April 21, 2015	Original Certification.