Certificate of Compliance

Certificate: 70013318 **Master Contract:** 155335

Project: 70013318 **Date Issued:** 2015-10-19

Issued to: **Tescom Corporation**
Industrial Controls Division
12616 Industrial Blvd
Elk River, Minnesota 55330
USA

Attention: Jake Renollett

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.

C US

Issued by:
David Wood
C.E.T.

David Wood
David Wood

PRODUCTS
CLASS - C225802 - PROCESS CONTROL EQUIPMENT-For Hazardous Locations-
CLASS - C225882 - PROCESS CONTROL EQUIPMENT-For Hazardous Locations - Certified to US Standards

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

Class I, Division 1, Groups B, C & D; Class II, Division 1, Groups E, F, & G; Class III;
Ex db IIB+H2 T5 Gb
Ex tb IIIC T100°C Db IP6X
Zone 1, AEx d IIB+H2 T5 Gb
Zone 21, AEx tb IIIC T100°C Db IP6X
Tamb: -20°C ≤ Ta ≤ +60°C

Electropneumatic Controller
Model: ER5050xx-x-xxx
Input Ratings: 20.5 to 28.5Vdc, 350mA maximum (180 mA nominal)
MWP: 110 psi
Type 4X, IP66

APPLICABLE REQUIREMENTS

C22.2 No 30-M1986	-	Explosion-Proof Enclosures for Use in Class I Hazardous Locations Industrial Products
C22.2 No 94-M91 (R2001)	-	Special Purpose Enclosures
C22.2 No. 25- 1966 (R2004)	-	Enclosures for Use in Class II Groups E, F and G Hazardous Locations
C22.2 No. 60079-0-11	-	Electrical apparatus for explosive gas atmospheres – Part 0: General Requirements
C22.2 No. 60079-1-11	-	Electrical apparatus for explosive gas atmospheres – Part 1: Flameproof Enclosures "d"
C22.2 No. 60079-31:12	-	Explosive Atmospheres – Part 31: Equipment Dust Protection by Enclosure "t"
C22.2 No. 61010-1:12	-	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements
ANSI/ISA 61010-1:12	-	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements
UL 1203, 5th Edition	-	Explosion-proof and Dust-Ignition-Proof Electrical Equipment (Classified) Locations.
UL 60079-0: 6th Edition	-	Electrical apparatus for explosive gas atmospheres - Part 0: General Requirements.
UL 60079-1: 7th Edition	-	Electrical apparatus for explosive gas atmospheres – Part 1: Flame-Proof Enclosures "d"
UL 60079-31: 2nd Edition	-	Explosive Atmospheres – Part 31: Equipment Dust Protection by Enclosure "t"
UL 50 11th Edition	-	Enclosures for Electrical Equipment

MARKINGS

(1) Submittor's name, trademark, or the CSA file number (adjacent the CSA Mark).
(2) Catalogue / Model designation.
(3) Complete electrical rating (amps, and volts).
(4) Serial number traceable to month and year of manufacture.
(5) Hazardous Location Ratings
(6) -20°C ≤ Ta ≤ +60°C
(7) Enclosure Type 4X/IP66
(8) The CSA Mark with the "c" and "us" qualifiers.
(9) The following bilingual cautions:

"WARNING: DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT"
"WARNING: SEAL ENCLOSURE WITHIN 18 INCHES"
"WARNING: SEE INSTALLATION DOCUMENT"
"WARNING: ALL CABLE, CABLE GLANDS & CONDUCTORS NEED >85°C RATING"

Supplement to Certificate of Compliance

Certificate: 70013318 70013318 **Master Contract:** 155335

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
70013318	2015-10-19	Certification of Models ER5050xx-x-xxx to include Class I, Division 1, Groups BCD, Class II Groups EFG, Class III and Zone 1 Ex db/AEx d IIB+H2, Zone 21 Ex/AEx tb IIIC.