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FM Approvals
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CERTIFICATE OF COMPLIANCE

HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS

This certificate is issued for the following equipment:

APT3100-abclgjkm. Pressure Transmitters.

APT3100-abcdefgijklm. Pressure Transmitters.

APT3100-abcdfghiklm. Pressure Transmitters.

XP/II/1/ABCD/T6 Ta = 60°C; DIP/II,III/1/EFG/T6 Ta = 60°C; NI/II/2/ABCD/T4 Ta = 60°C;
S/III/2/EFG/T4 Ta = 60°C; S/III/1/T4 Ta = 60°C; Type 4X/IP67.

- a = Transmitter Type: D, G, H, LEC, LED, LES, LFC, LFD or LFS.
- b = Ranges: 3, 4, 5, 6, 7, 8 or 9.
- c = Mounting Flange Size & Material: C1, C2, C4, M11, M12, M13, M14, M21, M22, M23, S2, S3 or S4.
- d = Mounting Flange Rating: A1, A2, D1, D2, J1, J2 or XX.
- e = Extension Length: 05, 10, 15 or XX.
- f = Wetted Parts Material: H, S or X.
- g = Fill Fluid: 1, 2, 7 or X.
- h = Capillary Length: 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11 or 12.
- i = Material of Construction: CS or SS.
- j = Low Side: N, W or X.
- k = Electrical Connection: 1.
- l = Hazardous Location Certification: F1.
- m = Option: BA, BF, C6, CA, CF, K, M1, P, S or TW.

APT3200-abclgjkm. Pressure Transmitters.

APT3200-abcdefgijklm. Pressure Transmitters.

APT3200-abcdfghiklm. Pressure Transmitters.

XP/II/1/ABCD/T6 Ta = 60°C; DIP/II,III/1/EFG/T6 Ta = 60°C; NI/II/2/ABCD/T4 Ta = 60°C;
S/III/2/EFG/T4 Ta = 60°C; S/III/1/T4 Ta = 60°C; Type 4X/IP67.

- a = Transmitter Type: D, G, H, LEC, LED, LES, LFC, LFD or LFS.
- b = Ranges: 3, 4, 5, 6, 7, 8 or 9.
- c = Mounting Flange Size & Material: C1, C2, C4, M11, M12, M13, M14, M21, M22, M23, S2, S3 or S4.
- d = Mounting Flange Rating: A1, A2, D1, D2, J1, J2 or XX.
- e = Extension Length: 05, 10, 15 or XX.
- f = Wetted Parts Material: H, S or X.
- g = Fill Fluid: 1, 2, 7 or X.
- h = Capillary Length: 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11 or 12.
- i = Material of Construction: CS or SS.
- j = Low Side: N, W or X.



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- k = Electrical Connection: 1.
- l = Hazardous Location Certification: F1.
- m = Option: BA, BF, C6, CA, CF, K, M1, P, S or TW.

ATT2100-abclgikm. Temperature Transmitters.

ATT2100-abcdefgijklm. Temperature Transmitters.

ATT2100-abcdfghiklm. Temperature Transmitters.

XP/II/1/ABCD/T6 Ta = 60°C; DIP/II,III/1/EFG/T6 Ta = 60°C; NII/2/ABCD/T4 Ta = 60°C;
S/II/2/EFG/T4 Ta = 60°C; S/III/1/T4 Ta = 60°C; Type 4X/IP67.

- a = Transmitter Type: D, G, H, LEC, LED, LES, LFC, LFD or LFS.
- b = Ranges: 3, 4, 5, 6, 7, 8 or 9.
- c = Mounting Flange Size & Material: C1, C2, C4, M11, M12, M13, M14, M21, M22, M23, S2, S3 or S4.
- d = Mounting Flange Rating: A1, A2, D1, D2, J1, J2 or XX.
- e = Extension Length: 05, 10, 15 or XX.
- f = Wetted Parts Material: H, S or X.
- g = Fill Fluid: 1, 2, 7 or X.
- h = Capillary Length: 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11 or 12.
- i = Material of Construction: CS or SS.
- j = Low Side: N, W or X.
- k = Electrical Connection: 1.
- l = Hazardous Location Certification: F1.
- m = Option: BA, BF, C6, CA, CF, K, M1, P, S or TW.

Equipment Ratings:

Explosionproof for use in Class I, Division 1, Groups A, B, C and D; Dust-Ignitionproof for Class II/III, Division 1, Groups E, F and G; Class I, Division 2, Groups A, B, C, and D; Suitable for use in Class II, Division 2, Groups E, F and G; and Suitable for Class III, Division 1; hazardous (classified) locations, indoor and outdoor (NEMA Type 4X/IP67).

FM Approved for:

Duon Systems Co Ltd.

60-31, Gasan-Dong, Kumchon-Gu, Seoul 153-801, South Korea



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This certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

CSA C22.2 No. 0.4	2004
CSA C22.2 No. 0.5	2003
CSA C22.2 No. 25	2004
CSA C22.2 No. 30	2003
CSA C22.2 No. 94	2006
CSA C22.2 No. 142	1987
CSA C22.2 No. 213	1987
CSA C22.2 No. 60529	2005

Original Project ID: 303985C

Approval Granted: November 5, 2009

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
111205	January 18, 2012		

FM Approvals LLC



J.E. Marquedant
Group Manager, Electrical

18 January 2012
Date