



No. 2019-049942-01-1

안전인증서

Certificate of Safety

United Electric Controls
180 Dexter Avenue, Watertown, MA 02471, USA

The following product manufactured by the above company has been authorized for the use of safety certification mark as the product has satisfied the safety and health requirements under Article 34 of OCCUPATIONAL SAFETY AND HEALTH ACT and paragraph 4 of Article 58-4 of ENFORCEMENT ORDINANCE OF the same ACT.

Electrical Equipment

One Series Electronic Pressure and Temperature Switches

Model(Marking) / Certificate No.

1XSWLL*** (Ex ia IIC T4) / 19-KA4BO-0624X

Applied standards

Announcement No. 2019-15 of Ministry of Employment and Labor

Conditions of Certification

1. Manufacturing location(s)

· This certificate is valid only for the specified products produced at '180 Dexter Avenue, Watertown, MA 02471, USA'.

2. Description of equipment

· An intrinsically safe electronic switch that monitor gage pressure, differential pressure or temperature.

· Electrical parameters for intrinsic safety

· $U_i = 12 \text{ V}$, $I_i = 20 \text{ mA}$, $P_i = 60 \text{ mW}$, $C_i = 23.1 \text{ nF}$, $L_i = 705 \text{ } \mu\text{H}$

· Ambient temperature: $-40 \text{ }^\circ\text{C} \leq T_a \leq +85 \text{ }^\circ\text{C}$

3. Scope of certification: This certificate is valid only for the models as below.

· 1XSWLL(a)(b)(c)

(a)	P	T	K
(b)	06, 08, 10~20	L1~L3, R1, RC, H1, HC, C1, CC	10~13
(c)	Model code does not affect protection of device		

4. Special conditions for safe use

· See SPECIFIC CONDITIONS OF USE on IECEx certificate(IECEx UL 08.0017X issue No.9)

5. Details of certificate changes: None

6. Details of the others

· Refer to the instruction manual.

· Manufacturer shall take the responsibility including maintaining quality requirements for the certified products, receiving factory surveillance and informing any changes to the certified products.

· This certificate shall be used with the related IECEx certificate(IECEx UL 08.0017X issue No.9)

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한국산업기술시험원
KOREA TESTING LABORATORY

