IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEx KTL 11.0012X issue No.:0	Certificate history:
Status:	**Current**	
Date of Issue:	**2011-09-30**	Page 1 of 3
Applicant:	**Power-Genex Ltd.** 44B9L, 434-9, Nonhyun-Dong, Namdong-Gu, Incheon, 405-849 **Korea, Republic of**	
Electrical Apparatus: *Optional accessory:*	**Model EPL/EPR Electro-Pneumatic Positioner**	
Type of Protection:	**Intrinsic safety "i"**	
Marking:	**Ex ia IIC T6 Ga** **Ambient Temperature Range : -20℃ to +70℃** **Ui = 28V, Ii = 100mA, Pi = 1.0W, Ci = 0, Li = 2μH** **IECEx KTL 11.0012X**	
Approved for issue on behalf of the IECEx Certification Body:	Hee-Soo Kim	
Position:	Managing director	
Signature: *(for printed version)*		
Date:		

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:

Korea Testing Laboratory
222-13, Guro-Dong, Guro-Gu
Seoul, 152-718
Korea, Republic of

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Manufacturer: **Power-Genex Ltd.**
44B9L, 434-9, Nonhyun-Dong, Namdong-Gu, Incheon, 405-849
Korea, Republic of

Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:
The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2007-10 Edition: 5	Explosive atmospheres - Part 0:Equipment - General requirements
IEC 60079-11 : 2006 Edition: 5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:
KR/KTL/ExTR11.0012/00

Quality Assessment Report:

KR/KTL/QAR11.0002/00

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Schedule

EQUIPMENT:
Equipment and systems covered by this certificate are as follows:

The Model EPL/EPR Electro-Pneumatic Positioner is intrinsically safe equipment, which is designed to be operated by a torque motor with 4~20mA electrical signal for control of valve position. The equipment comprises a pilot valve, a lever, dial gauges, a torque motor assembly and so on. They are housed in an aluminium or stainless steel enclosure. 24V DC power supply shall be transmitted to the equipment through an intrinsically safe barrier.
EPa-bcdefghij
a=Actuator Action : L-Linear type, R-Rotary type
b=Ex-Protection Type : I-Intrinsic safety(Ex ia IIC T6)
c=Feedback Shaft : A, B, C, A, N
d=Gauge : 1, 2
e=Pilot Valve Orifice : S, M
f =Position Feedback : N-None
g=Connection Threads : 3, 4, 5
h=Dome Indicator : N, D
i=High Temperature : T-70℃(std)
j=Mounting Bracket : N, L, R, F

For the detailed information, refer to the manual.

CONDITIONS OF CERTIFICATION: YES as shown below:

WARNING-POTENTIAL ELECTROSTATIC CHARGING HAZARD-SEE INSTRUCTIONS.
1. The non-metallic parts incorporated in the enclosure of this equipment may generate an ignition capable level of electrostatic charge. Therefore particularly when it used for applications that specifically require Group IIC, EPL Ga equipment, the equipment shall not be installed in a location where the external conditions are conductive to the build-up of electrostatic charge on such surfaces. Additionally, the equipment shall only be cleaned with a damp cloth.
2. The encolsure contains aluminum and is considered to present a potential risk of ignition by impact or friction. Care must be taken during installation and use to prevent impact or friction.