



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 UL 15.0093X

Issue No: 1

Certificate history:

Issue No. 1 (2018-09-27)

Issue No. 0 (2015-10-28)

Status: **Current**

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Date of Issue: **2018-09-27**

Applicant: **Adalet/Scott Fetzer Co.**
4801 W. 150th Street
Cleveland, OH 44135
United States of America

Equipment: **Control Panels, ZP Series**

Optional accessory:

Type of Protection: **Flameproof "db", Intrinsic Safety "ia", "ib", "ic"**

Marking:

Ex db [ia/ib/ic IIC/IIB/IIA Ga/Gb/Gc] IIC T6...T1 Gb

Ex db [ia/ib/ic IIC/IIB/IIA Ga/Gb/Gc] IIB+H2 T6...T1 Gb

Ex db [ia/ib/ic IIC/IIB/IIA Ga/Gb/Gc] IIB T6...T1 Gb

Ex db [ia/ib/ic IIC/IIB/IIA Ga/Gb/Gc] IIA T6...T1 Gb

Ex db IIC T6...T1 Gb

Ex db IIB+H2 T6...T1 Gb

Ex db IIB T6...T1 Gb

Ex db IIA T6...T1 Gb

*Approved for issue on behalf of the IECEx
Certification Body:*

Erin LaRocco

Position:

Staff Engineer

*Signature:
(for printed version)*

Date:

2018-09-27

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](http://www.iecex.com).

Certificate issued by:



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UL LLC
333 Pfingsten Road
Northbrook IL 60062-2096
United States of America





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Manufacturer: **Adalet/Scott Fetzer Co.**
4801 W. 150th Street
Cleveland, OH 44135
United States of America

Additional 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 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 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-1 : 2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

IEC 60079-11 : 2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

*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:

[US/UL/ExTR15.0109/01](#)

Quality Assessment Report:

[US/UL/QAR08.0003/08](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The ZP series of control panels utilize a flameproof enclosure populated with electronics. The flameproof enclosure may be completed with pilot lights and operators mounted through the cover. The control panel may include intrinsic safety barriers located within the flameproof enclosure that provide intrinsically safe outputs.

Please see Annex for additional information.

SPECIFIC CONDITIONS OF USE: YES as shown below:

The specific conditions for each build are detailed within the installation instructions dependent upon the conditions of use of the installed components.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 1: Minor updates and addition of Intrinsic Safety Barriers.

Annex:

[Annex to IECEX UL 15.0093X Issue 1.pdf](#)



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TYPE DESIGNATION

ZP- XXX
I II

- I. Control Panel Series
ZP- Series Designation
- II. Additional Markings
XXX - The Series designation may be followed by additional letters and numbers

PARAMETERS RELATING TO THE SAFETY

100 – 690 VAC

MARKING

Marking has to be readable and indelible; it has to include the following indications:

- Model Designation
- Serial Number
- Electrical Rating
- Ambient Temperature
- The IECEx certificate number
- Name of the Manufacturer
- The marking string
- “WARNING- DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT”
- “Reference Installation Instructions for further details”
- For enclosures with flanged joints “This equipment shall be installed so that the flanged joints are not within X of a solid object that is not a part of this equipment”:
 - Where X is 10mm when the enclosure is marked for Group IIA atmospheres
 - Where X is 30mm when the enclosure is marked for Group IIB atmospheres
 - Where X is 40mm when the enclosure is marked for Group IIB+H2 and IIC atmospheres



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- When the product is marked with ia/ib/ic outputs, the marking shall include:
 - “WARNING – DISCONNECT POWER PRIOR TO OPENING ENCLOSURE
 - The Um value

Markings may take the form of:

Ex db [ia/ib/ic IIC/IIB/IIA Ga/Gb/Gc] IIC T6...T1 Gb

Ex db [ia/ib/ic IIC/IIB/IIA Ga/Gb/Gc] IIB+H2 T6...T1 Gb

Ex db [ia/ib/ic IIC/IIB/IIA Ga/Gb/Gc] IIB T6...T1 Gb

Ex db [ia/ib/ic IIC/IIB/IIA Ga/Gb/Gc] IIA T6...T1 Gb

Ex db IIC T6...T1 Gb

Ex db IIB+H2 T6...T1 Gb

Ex db IIB T6...T1 Gb

Ex db IIA T6...T1 Gb

ROUTINE EXAMINATIONS AND TESTS

Routine temperature tests in accordance with IEC 60079-0, 6th Edition shall be conducted on all units in accordance with clause 26.5.1. The marked temperature class shall be consistent with the results of the routine temperature test.