



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 EESF 18.0011X

Issue No: 0

Certificate history:

Issue No. 0 (2018-09-19)

Status: **Current**

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Date of Issue: **2018-09-19**

Applicant: **Savox Communications Oy Ab**
Keilaranta 15 B
FI-02150
ESPOO
Finland

Equipment: **Com-Control Units C-C440/MTP850Ex, C-C440/DP4000X, C-C440/Waris Ex, C-C440/Sailor Ex, C-C440/PD79aEx, C-C440/E-Tech Ex, C-C440/TK2260 Ex and C-C440/S4 Ex**

Optional accessory: *See equipment section*

Type of Protection: **Intrinsically safe**

Marking:

Ex ib IIC T4 Gb

Ex ib IIIC T110 °C Db

Approved for issue on behalf of the IECEx
Certification Body:

Ilkka Riihimäki

Position:

Expert

Signature:
(for printed version)

Date:

2018-09-19

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:

Eurofins Expert Services Ltd
Kivimiehentie 4,
FI-02150 Espoo
Finland



Expert Services



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Manufacturer: **Savox Communications Oy Ab**
Schaumanintie 26
FI-57230 Savonlinna
Finland

Additional Manufacturing location(s):

Savox Communications (Shenzen) Co. Ltd

7th Floor, Building #2, Hong Hui Industrial Park, Liu Xian 2nd Road, 68th Subdistrict, Baoan, Shenzhen
China

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 : 2017 Explosive atmospheres - Part 0: Equipment - General requirements
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:

[FI/EESF/ExTR18.0013/00](#)

Quality Assessment Report:

[FI/VTT/QAR08.0001/07](#)

[FI/VTT/QAR10.0003/05](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The SAVOX C-C440/MTP850Ex, C-C440/Sailor Ex, C-C440/DP4000X, C-C440/Waris Ex, C-C440/PD79aEx, C-C440/E-Tech Ex, C-C440/TK2260 and C-C440/S4 Ex Com-Control Units are to be used with intrinsically safe radio types according to unit type marking. Com-control unit type C-C440/PD79aEx is also compatible with certified PD71aEx, HD795Ex, PT790Ex and PT710Ex radios. The units consist of permanent cable, IP5X (according to EN 60079-0 and -11) enclosure with integrated PTT (Push-To-Talk) button and an electronics board. The plastic material of the enclosure is conductive.

Electrical data:

The maximum input values of types C-C440/MTP850Ex, C-C440/Sailor Ex, C-C440/Waris Ex, C-C440/PD79aEx and C-C440/TK2260 Ex are:

Ui = 9 V li = 3 A Pi = 6.75 W Ci = 0.1 µF Li = 10 µH

The maximum input values of type C-C440/DP4000X are:

Ui = 9 V li = 75 mA Pi = 314 mW Ci = 0.1 µF Li = 2 mH

The maximum input values of type C-C440/E-Tech Ex are:

Ui = 9 V li = 3 A Pi = 6.75 W Ci = 0.1 µF Li = 5 µH

The maximum input values of type C-C440/S4 Ex are:

Ui = 8.8 V li = 1.7 A Pi = 14.95 W Ci = 0.1 µF Li = 10 µH

Allowed plug-in accessories (limited conditions)

- a) SAVOX TC-1 Ex or POA61-Ex
- b) SAVOX MP-H ATEX or POA104-Ex
- c) SAVOX IS-Com ATEX
- d) SAVOX MS-Com ATEX
- e) SAVOX HC-1 ATEX or POA34-Ex
- f) SAVOX HC-2 ATEX or POA100-Ex
- g) SAVOX HC-E ATEX or POA101-Ex
- h) SAVOX L-H Ex or POA65-Ex
- i) SAVOX N-H Ex or POA62-Ex
- j) Con-space Facemask Com/Sabrecom 2
- k) Peltor Adapter Cable Ex
- l) Holmco HL-09, HL19
- m) Invisio H-M3x-2-xxxX-xxx
- n) FRR Ele. Mic Ex QR4
- o) FPS-COM-PLUS VA R-C (Ref. ATEX-certificate ITS 11 ATEX 27318X)
- p) FPS-COM 5000 (Ref. ATEX-certificate ITS 16 ATEX 28437X)
- q) FPS-COM 7000 (Ref. ATEX-certificate ITS 16 ATEX 28340X)
- r) SAVOX N-C ATEX or POA102-Ex (Gas Group IIC T4 only, dust excluded)
- s) MT7H79F-50, MT7H79B-50, MT7H79P3E-50 (Gas Group IIC T4 only, dust excluded. Allowed Tamb -20 °C ... +40 °C)
- t) SAVOX NOISE-COM 200 Ex (Gas Group IIC T4 only, dust excluded. Allowed Tamb -20 °C ... +40 °C) (Ref. VTT 17 ATEX 063X)
- u) Dräger ANP-Com (Gas Group IIC T4 only, dust excluded. Allowed Tamb -20 °C ... +40 °C) (Ref. VTT 17 ATEX 064X)
- v) SAVOX NOISE-COM 400 Ex or Hytera IS Helmet N.C. headset

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Allowed ambient temperature range is Tamb -20 °C to +55 °C.
2. When used with allowed plug-in accessories inside hazardous areas, the limited conditions shall be observed.
3. Connection of SAVOX C-C440 Com-Control Units shall be done according to radio manufacturer's instructions.
4. Impact test was made according to low risk of mechanical danger. The device shall be protected from high-level impacts.