

Schedule

[13]

[14]

EC-TYPE EXAMINATION CERTIFICATE No. DEMKO 05 ATEX 137483X

[15]

Description of Equipment or protective system

These devices are intrinsically safe radio accessories intended for use with radios that have intrinsically safe connection facilities.

Types comprising the certification:

Description	Model Numbers
Speaker/Mic	V2-10023-S, V2-10024-S, V2-10025-S, V2-10031-S, V2-10034-S V2-10068-S, V2-10112-S, V2-10134-S, V2-10139-S, V2-10162-S V2-10168-S, V2-10228-S, V2-10230-S, V2-10234-S, V2-10240-S V2-10241-S, V2-10256-S, V2-10273-S, V2-10274-S, V2-10278-S V2-10316-S
Ranger Headset	V4-NR2BA1-S, V4-NR2CD1-S, V4-NR2CE1-S, V4-NR2MJ1-S V4-10421-S
Earphone Kit	V1-10432-S
Hurricane Headset	V4-HC2CD1-S, V4-HC2CE1-S, V4-HC2KB1-S, V4-HC2KB3B-S V4-HC2MA3B-S, V4-HC2MA5-S, V4-HC2MJ5-S

Temperature range:

The ambient temperature range of these devices is -40 °C to +40 °C.

Electrical data:

Intrinsically safe specifications:

Speaker/Mic	Ranger Headset	Earphone Kit	Hurricane Headset
U_i : 9,6V	U_i : 9,6V	U_i : 9,6V	U_i : 9,6V
I_i : 0,22A	I_i : 0,11A	I_i : 0,22A	I_i : 0,11A
P_i : 1,3W	P_i : 1,3W	P_i : 1,3W	P_i : 1,3W
L_i : 0,35mH	L_i : 1,8mH	L_i : 0,35mH	L_i : 1,1mH
C_i : 1,8µF	C_i : 1,8µF	C_i : 1,8µF	C_i : 1,8µF

Routine tests:

None.

[16]

Report No.

Project Report No.: 04CA31283 (Hazardous Location Testing)

UL International Demko A/S

Lyskaer 8, P.O. Box 514
DK-2730 Herlev, Denmark
Telephone: +45 44856565
Fax: +45 44856500

Certificate: 05 ATEX 137483X
Report: 0431283

This certificate may only be reproduced in its
entirety and without any change, schedule included



An Affiliate of
**Underwriters
Laboratories Inc.**

P2/3

Schedule

EC-TYPE EXAMINATION CERTIFICATE No. DEMKO 05ATEX 137483X

Drawings:

Number	Date	Description
804184	2006-04	Speaker/Mic Installation Manual
V2-ISSPEAKER	2006-03-17, Revision A	Speaker/Mic Safety Critical Design
804205	2006-04	Ranger Headset Installation Manual
V4-ISRANGER	2006-03-17, Revision A	Ranger Headset Safety Critical Design
804206	2006-04	Earphone Kit Installation Manual
V1-ISEARPHONE	2006-03-31, Revision A	Earphone Kit Safety Critical Design
804203	2006-04	Hurricane Headset Installation Manual
V4-ISHURRICANE	2006-03-24, Revision A	Hurricane Headset Safety Critical Design

[17] Special conditions for safe use:

These devices are intended for use only as specified in the installation manual as follows:

Speaker /Mic:	Installation Manual Number 804184
Ranger Headset:	Installation Manual Number 804205
Earphone Kit:	Installation Manual Number 804206
Hurricane Headset:	Installation Manual Number 804203

The above OTTO ATEX certified radio accessory products are only intended for connection to intrinsically safe radios. The radio accessory products have been evaluated for intrinsic safety and can be used with any ATEX certified radio that has intrinsic safety (entity) parameters at the accessory connection conforming to the following:

$$\begin{array}{lll} U_o \leq U_i & I_o \leq I_i & P_o \leq P_i \\ L_o \geq L_i & C_o \geq C_i & \end{array}$$

[18] Essential Health and Safety Requirements

Concerning ESR this Schedule verifies compliance with the Ex standards only. The manufacturer's Declaration of Conformity declares compliance with other relevant Directives.

The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in ANNEX III to Directive 94/9/EC of the European Parliament and the Council of 23 March 1994.

On behalf of UL International Demko A/S

Herlev, 2006-05-10

Karina Christiansen
Certification Manager

UL International Demko A/S

Lyskaer 8, P.O. Box 514
DK-2730 Herlev, Denmark
Telephone: +45 44856565
Fax: +45 44856500

Certificate: 05 ATEX 137483X
Report: 0431283

This certificate may only be reproduced in its
entirety and without any change, schedule included



An Affiliate of
**Underwriters
Laboratories Inc.**

P 3 / 3