

[1] **TYPE EXAMINATION CERTIFICATE**

[2] **Component intended for use on/in equipment or protective system
intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**



[3] Type Examination Certificate Number: **DEMKO 04 ATEX 137473U**

[4] Component: **Industrial Wireless Radios**

[5] Manufacturer: **Prosoft Technology**

[6] Address: **1675 Chester Avenue, Fourth Floor, Bakersfield, CA 93301 USA**

[7] This Component and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] UL International Demko A/S certifies that this component has been found to comply with the Essential Health and Safety Requirements that relate to the design of Category 3 components intended for use in potentially explosive atmospheres. These Essential Health and Safety Requirements are given in Annex II to the European Union Directive 94/9/EC of 23 March 1994.

The examination and test results are recorded in confidential report no. **04NK16494**

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with: **EN 50021: 1999**

[10] The sign "U" placed after the certificate number indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective.

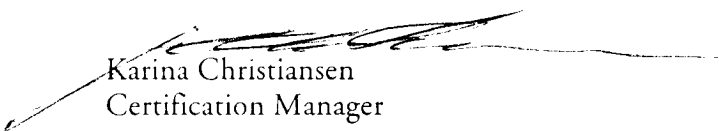
[11] This Type examination certificate relates only to the design, examination and tests of the specified component in accordance with the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this component. These are not covered by this certificate.

[12] The marking of the component shall include the following:

Ex II 3G EEx nC IIC

On behalf of UL International Demko A/S

Herlev, 2004-08-17


Karina Christiansen
Certification Manager

UL International Demko A/S

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Certificate: 04 ATEX 137473U



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Schedule

TYPE EXAMINATION CERTIFICATE No. DEMKO 04 ATEX 137473U

[13]

[14]

[15] Description of Components:

The Models RLX-IH, RLX-FHS, RLX-FHE AND RLX-FHES are DIN rail mounted industrial wireless radios. They are intended to be installed in a suitable enclosure and be supplied by a 10-30V dc Safety Extra Low Voltage (SELV) source.

The ambient temperature range is for these devices is as follows:

Model	Ambient temperature range
RLX-IH	-30 °C to +60°C
RLX-FHS	-40 °C to +75°C
RLX-FHE	-40 °C to +70°C
RLX-FHES	-40 °C to +70°C

[16] Descriptive Documents

Number	Date	Description
952-0080, pages 1-4	2002-12-27	RLX-IH Interface board schematic
044-008003, pages 1-2	2003-04-25	RLH-IH Interface Board BOM
952-0084, pages 1-2	1999-12-03	RF Board Schematic
045-0036, page 1-1	2000-04-14	RLX-FHS Interface board schematic
045-0036, page 1-1	2000-08-10	RLX-FHS Interface board assembly drawing
000-0056, pages 1-5	2001-04-04	RLX-FHE Interface board schematic
045-0017, page 1-1	2000-01-17	RLX-FHE RF board schematic
044-0056, page 1-1	2001-06-01	RLX-FHE Interface Board BOM
044-0035, page 1-7	2004-02-17	Product Markings

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.

[16.2] Report No.: 04NK16494

[17] Special Conditions for Safe Use

[17.1] These devices must be installed in a suitable enclosure with a minimum ingress protection rating of IP54 as defined in IEC60529 and EN60529.

These devices must be supplied by a 10-30Vdc SELV (Safety Extra Low Voltage) source as defined in the Low Voltage Directive 73/23/EEC and 93/68/EEC and exceeding the manufacturer's ratings of these devices.

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These devices were tested and found to have maximum operating temperatures as follows:

RLX-IH	-	(115°C) @ 70°C ambient at 26.4V
RLX-FHS	-	(104°C) @ 75°C ambient at 30.8V
RLX-FHE, -FHES	-	(102°C) @ 70°C ambient at 26.4V

The operating temperature code (T-code) shall be determined in the end-use apparatus.

[18] Essential Health and Safety Requirements


Concerning EHSR that are not addressed by the standards listed in this certificate have been identified and individually assessed in Report No. **04NK16494**.

[19] Conditions of Certification

[19.1] None.

On behalf of **UL International Demko A/S**

Herlev, 2004-08-17


Karina Christiansen
Certification Manager

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