

CERTIFICATE

(1) Type Examination

(2) **Product intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) Type Examination Certificate Number: **KEMA 13ATEX0098 X** Issue Number: **3**

(4) Product: **Modbus Communication Enabler Type 4511 and Bluetooth Communication Enabler Type 4512**

(5) Manufacturer: **PRElectronics A/S**

(6) Address: **Lerbakken 10, 8410 Rønede, Denmark**

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) DEKRA Certification B.V., certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014.

The examination and test results are recorded in confidential test report no. 216289000, issue 3.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0 : 2012 + A11 : 2013 EN 60079-15 : 2010

except in respect of those requirements listed at item 18 of the Schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This Type Examination Certificate relates only to the design and construction of the specified product and not to the manufacturing process and its monitoring.

(12) The marking of the product shall include the following:



II 3 G Ex nA IIC T5 Gc

Date of certification: 28 September 2018

DEKRA Certification B.V.

R. Schuller
Certification Manager

(13) **SCHEDULE**

(14) **to Type Examination Certificate KEMA 13ATEX0098 X**

Issue No. 3

(15) **Description**

Modbus Communication Enabler Type 4511 and Bluetooth communication enabler Type 4512 are detachable front programming display adding Modbus/Bluetooth serial communication to all available PR system 4000/9000 units.

The type code, the ambient temperature range and the temperature class of the module shall be taken from **table 1**.

Electrical data

The electrical data of the supply and the input and output circuits shall be taken from **table 1**.

Installation instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

No. 216289000, issue 3.

(17) **Specific conditions of use**

The equipment shall only be used in an area of not more than pollution degree 2, as defined in EN 60664-1.

The Modbus Communication Enabler Type 4511 and Bluetooth Communication Enabler Type 4512 shall be installed in a suitable enclosure providing a degree of protection of at least IP54 according to EN 60079-15, taking into account the environmental conditions under which the equipment will be used.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. 216289000, issue 3.

(13) **SCHEDULE**

(14) **to Type Examination Certificate KEMA 13ATEX0098 X**

Issue No. **3**

(20) **Certificate history**

Issue 1 - 216289000 Initial certificate
Issue 2 - 216934500 Revised construction
Issue 3 - 222883200 Addition of module 4512

Table 1

Description	Type No.	Temp. Class	Ambient Range	Supply Power/Current	Supply Volt.
Modbus Communication Enabler	4511	T5	-20... +60°C	Max. 150 mW	10 ... 20 V
Bluetooth Communication Enabler	4512	T5	-20... +60°C	Max. 150 mW	7 ... 20 V