

PT Premium and PT 4000 Terminal CE Compliance Evaluation

Version 2.0

Revision history			
1.0	2010-03-08	KAN	Document created and reviewed internally at CODAB AB
2.0	2014-06-24	CL	Included CE approval of PT 4000 fleet as a variant to PT Premium

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1. Introduction

This document outlines the evaluation of the PT Premium and PT 4000 terminal in relation to CE marking. The document presents the compliance to the respective standard that are required to fulfill requirements for CE.

Two variants of the terminal exist:

- 1) PT Premium to include sales with bank cards for consumers
- 2) PT 4000, bank cards not possible and used for fleet sales, business-to-business sales.

Both terminals have same housing and uses same hardware and therefore both included in the same CE compliance evaluation.

2. Standardizations

The PT Premium and PT 4000 terminal is intended for installation on service stations and connect and control dispensers. The PT Premium is also used to interface other forecourt devices like price signs and both terminals can report data, incl. transaction details to a central head office system called TapNet. To CE mark a product like the PT Premium and the PT 4000 terminal, the product needs to live up to the following standards

- Low Voltage Directive (LVD) 2006/95/EG
- Directive of Electromagnetic Compatibility (EMC) 2004/108/EG
 - EN61000-6-3: 2007 (Emission)
 - EN61000-6-1: 2007 (Immunity)

The following chapters describes how PT Premium and PT 4000 lives up to these requirements.

3. Compliance to Low Voltage Directive (LVD) 2006/95/EG

The following technical documentation is supplied to make sure PT Premium and PT 4000 lives up to the Low Voltage Directive

- **A general description of the electrical equipment**
See “PT Premium och PT 4000, Manual för installation och regelbunden användning” and “PT Premium, HW Description.
- **Conceptual design and manufacturing drawings and schemes of components, subassemblies, circuits etc.**
See “ PT Premium och PT 4000, Manual för installation och regelbunden användning” and “PT Premium, HW Description
- **Description and explanation necessary for the understanding of said drawings and schemes and the operation of the electrical equipment**
See “PT Premium, Anvender Manual Premium terminal”. No specific explanations required to understand the drawings and schemes except for those provided within the referenced documentation.
- **A list of the standards applied in full or in part, and description of the solutions adopted to satisfy the safety aspect of this Directive where standards have not been applied**
No specific standards has been applied however safety solutions and instructions are made in the installation manual “PT Premium och PT 4000, Manual för installation och regelbunden användning”.
- **Results of design calculations made, examinations carried out etc.**
Not relevant as standard products used and solution is generic for this type of product

- **Test reports**
Not relevant as standard products used and solution is generic for this type of product

4. Compliance to Directive of Electromagnetic Compatibility (EMC) 2004/108/EG

As specified in “PT Premium, HW Description” all electronics used within the PT Premium and PT 4000 payment terminal is CE marked and are therefore compliant to the Directive of Electromagnetic Compatibility.

Only two type of pump interface cards ATCL and Wayne Current Loop are not CE marked, but these are passive circuit boards and through design review it is evaluated that using these within the PT Premium or the PT 4000 payment terminal will still make the product live up to the Directive of Electromagnetic Compatibility (EMC).

5. Conclusion

Since PT Premium live up to both Low Voltage Directive (chapter 3) and the Directive of Electromagnetic Compatibility the product fulfills the requirement for CE.

The next two pages includes the EC declaration of Conformity for PT Premium and the PT 4000 payment terminal, first in English and secondly in Swedish.

6. EC Declaration of Conformity

EC DECLARATION OF CONFORMITY

We hereby confirm that our product complies with the requirements in the following EU-directives and harmonized standards

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Product: PT Premium Payment Terminal

Product: PT 4000 Terminal

Low Voltage Directive (LVD) 2006/95/EG

Directive of Electromagnetic Compatibility (EMC) 2004/108/EG

- EN61000-6-3: 2007 (Emission)
- EN61000-6-1: 2007 (Immunity)

Malmö 2014-06-24

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Christian Lester

Technical Director

7. EG-försäkran om Överensstämmelse

EG-FÖRSÄKRAN OM ÖVERENSSTÄMMELSE

Vi intygar härmed att våra produkter uppfyller kraven i nedan angivna EU-direktiv och harmoniserande standarder

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Produkt: Kortterminal PT Premium

Product: PT 4000 Terminal

Lågspänningsdirektivet (LVD) 2006/95/EG

Direktivet för elektromagnetisk kompatibilitet (EMC) 2004/108/EG

- EN61000-6-3: 2007 (Emission)
- EN61000-6-1: 2007 (Immunity)

Malmö 2014-06-24

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Christian Lester

Teknisk Direktör