



National Standards Authority of Ireland

IRISH STANDARD

**I.S. EN 12414:2000**

ICS 39.040.99

**VEHICLE PARKING CONTROL EQUIPMENT -  
PAY AND DISPLAY TICKET MACHINE -  
TECHNICAL AND FUNCTIONAL  
REQUIREMENTS**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 12414**

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ICS 39.040.99

English version

**Vehicle parking control equipment - Pay and display ticket  
machine - Technical and functional requirements**

Équipement de contrôle du stationnement des véhicules -  
Horodateurs - Exigences techniques et fonctionnelles

Geräte zur Parküberwachung von Fahrzeugen -  
Parkscheinautomaten - Technische und funktionelle  
Anforderungen

This European Standard was approved by CEN on 8 August 1999.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

**Central Secretariat: rue de Stassart, 36 B-1050 Brussels**

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## **Foreword**

This European Standard has been prepared by Technical Committee CEN/TC 226 "Road equipment", the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by March 2000, and conflicting national standards shall be withdrawn at the latest by March 2000.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

## Introduction

This standard has been defined with the aim of providing a product which offers all necessary and adequate guarantees:

- ease of use;
- security and safety;
- integration into the environment;

for those people called upon to use them : users - enforcement agents - operators and maintenance agents.

Pay and display ticket machines are either independent, associated to a local system or integrated into a centralised system.

Pay and display ticket machines are powered by an energy source:

- either by connection to an external source with or without buffer battery;
- or independently, with no connection to an external source.

## 1 Scope

This standard specifies the technical and functional requirements for pay and display ticket machines.

It applies to prepayment pay and display machines, operated by coins, tokens or electronic means, solely intended for simultaneous parking control of an unlimited number of road vehicles on or off-street and installed under public or private ownership.

## 2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 55022	Limits and methods of measurement of radio disturbance characteristics of information technology equipment (CISPR 22:1993)
EN 60068-2-1	Environmental testing - Part 2 : Tests - Tests A : Cold (IEC 60068-2-1:1990)
EN 60068-2-2	Basic environmental testing procedures - Part 2 : Tests - Tests B : Dry heat ( IEC 60068-2-2:1974 + IEC 68-2-2A:1976)
EN 60529	Degrees of protection provided by enclosures (IP code) (IEC 60529:1989)

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