



National Standards Authority of Ireland

IRISH STANDARD

**I.S.EN 12484-3:2000**

ICS 65.060.35

National Standards  
Authority of Ireland  
Dublin 9  
Ireland

Tel: (01) 807 3800  
Tel: (01) 807 3838

**IRRIGATION TECHNIQUES – AUTOMATIC  
TURF IRRIGATION SYSTEMS – PART 3:  
AUTOMATIC CONTROL AND SYSTEM  
MANAGEMENT**

*This Irish Standard was  
published under the  
authority of the National  
Standards Authority of  
Ireland  
and comes into effect on:  
August 25, 2000*

**NO COPYING WITHOUT NSAI  
PERMISSION EXCEPT AS  
PERMITTED BY COPYRIGHT  
LAW**

© NSAI 2000

**Price Code E**

Údarás um Chaighdeáin Náisiúnta na hÉireann

This is a free 6 page sample. Access the full version online.

ICS 65.060.35

English version

## Irrigation techniques - Automatic turf irrigation systems - Part 3: Automatic control and system management

Techniques d'irrigation - Installations avec arrosage  
automatique intégré des espaces verts - Partie 3:  
Automatismes et gestion des installations

Bewässerungsverfahren - Automatische  
Rasenbewässerungssysteme - Teil 3: Regelung und  
Anlagensteuerung

This European Standard was approved by CEN on 13 April 2000.

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**

## Contents

Foreword.....	3
1 Scope .....	4
2 Normative references .....	4
3 Terms and definitions.....	4
4 Rules for the presentation of the user manual .....	5
4.1 content of the user manual .....	5
5 Classification of the automatic control systems .....	8
6 Minimum requirement of compatibility for different marks of automatic control systems or devices .....	8
6.1 Automatic remote control activated by an electric signal .....	8
6.2 Minimum information provided by computerised central control unit .....	9
6.3 Format of computer files.....	9

## Foreword

This European Standard has been prepared by Technical Committee CEN/TC 334 "Irrigation techniques", 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 November 2000, and conflicting national standards shall be withdrawn at the latest by November 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.

Within the framework of its work programme, the CEN/TC 334 has entrusted the preparation of this standard to CEN/TC 334/WG 4 "Automatic turf irrigation systems" working group to prepare the present draft :

EN 12484-3, *Irrigation techniques - Automatic turf irrigation systems - Part 3 : Automatic control and system management.*

The other parts of this standards are :

EN 12484-1, *Irrigation techniques - Automatic turf irrigation systems - Part 1 : Definition of the programme of equipment by the owner.*

EN 12484-2, *Irrigation techniques - Automatic turf irrigation systems - Part 2 : Design and definition of typical technical templates.*

prEN 12484-4, *Irrigation techniques - Automatic turf irrigation systems - Part 4 : Installation, acceptance and safety.*

prEN 12484-5, *Irrigation techniques - Automatic turf irrigation systems - Part 5 : Testing methods of systems.*

## 1 Scope

This part of this European standard EN 12484 is intended to :

- provide rules for the presentation of the user manual, installation manual, and trouble shooting guide ;
- guide the owner and/or the project manager in their choice for the most efficient control system, adapted to their needs and constraints ;
- define rules for minimum compatibility among different makes of control systems.

## 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 12484-2:2000, *Irrigation techniques - Automatic turf irrigation systems - Part 2 : Design and definition of typical technical templates.*

## 3 Terms and definitions

For the purposes of this European Standard, the following terms and definitions apply in the field of automatic turf irrigation. The other terms needed are defined in the other parts of this standard :

### 3.1 self - powered programmable valve

#### 3.1.1 pilot

electronic controller used to activate or deactivate an hydraulic valve which is not connected to an external electrical power source, and is powered by either a battery or a solar panel. The user interface will be either integrated into the pilot and/or completely independent. In that case, the communication can be made in various ways such as temporary electrical connections, infrared transmissions, radio transmission or any other appropriate mean

#### 3.1.2 hand held remote control

an external electronic remote control device including a programming interface and a transmission interface (electrical, radio, infrared, or else) operating an indefinite number of pilots

#### 3.1.3 latching solenoid

an assembly which converts an electric signal into the opening or closing of a hydraulic valve

### 3.2 irrigation controller

electronic or electro-mechanical device with built in user interface which operates sequentially or independently one or more automatic remote control valves by means of electrical impulse through extra low voltage cable or by means of hydraulic pneumatic pressure through tubing or by other suitable means

#### 3.2.1 networked irrigation controller

an irrigation controller able to upload or download information through a network

This is a free preview. Purchase the entire publication at the link below:

## **I.S. EN 12484-3 : 2000 : EN : COMBINED PDF**

- ⤵ Looking for additional Standards? Visit SAI Global Infostore
- ⤵ Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation

Need to speak with a Customer Service Representative - Contact Us