



Technical Report No. SI1208290-000 Revision 00
Issue Date: 2013-01-07

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Responsible Manufacturer: Rain Bird Corporation Controls Manufacturing Division
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CA 92123, USA
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Manufacturing place/Production site: Ensembles Hyson, SA De CV
Ave. Industrial No. 333
Secc. Dorada
CD. Industrial Mesa De Otay
Tijuana, B.C.
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Test subject: Product: Electronic Irrigation Controller
Model / Type Ref.: IESP4MEEUR, IESP4MECSA, IESP4MEAMC

Test specification: EN 60730-1:2000 + A1:2004 + A12:2003 + A13:2004 + A14:2005 + A15:2007 + A16:2007 + A2:2008

Purpose of examination: Test and Evaluation in accordance with the test specifications.

Test result: The equipment submitted **MEETS** the requirements of the test specifications as indicated.

- Internal alkaline battery, (IEC-6LR61, 9 Vdc, 55°C) is not part of the safety evaluation due to that the end equipment (Electronic Irrigation Controller model IESP4MEEUR) is use at a operating temperature of +65°C.
- Internal lithium battery, (Zhaoqing Newleader Battery Industry Co., Ltd model CR2025, 3 Vdc, 25°C) is not part of the safety evaluation due to that the end equipment (Electronic Irrigation Controller model IESP4MEEUR) is use at a operating temperature of +65°C.

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1 Description of the test subject

1.1 Function

The subject equipment model no. IESP4MEEUR is a commercial electronic irrigation controller for automatic lawn watering. The sprinklers valves are turned on and off by interrupting the current to the valve. The current is interrupted by solenoids.

Manufacturer's specification for intended use:
(According to the user manual)

Manufacturer's specification for predictive misuse:
(According to the user manual)

1.2 Consideration of the foreseeable misuse

- Not applicable
- Covered through the applied standard
- Covered by the following comment
- Covered by attached risk analysis

1.3 Technical Data

Rated Input Voltage:	230 VAC
Rated Frequency:	50 Hz
Rated Current:	0.2 A
Rated Output Voltage:	25.5 VAC
Rated Output Current:	1.0 A
Protection Class:	I
Installation Category:	I
Pollution Degree:	2
Ingress Protection:	IP44
Maximum Altitude:	2000 m
Maximum Room Ambient:	65°C

1.4 Conditions of Acceptability:

When installing the equipment, all requirements of the specified standard must be met.

2. Order

2.1 Date of Purchase Order, Customer's Reference

Your purchase order no. 05-0N00375 dated 2012-07-27 will be invoiced.

2.2 Receipt of Test Sample, Location

TÜV SÜD America, Inc., 10040 Mesa Rim Road, San Diego, CA 92121 USA

2.3 Date of Testing

2012-08-17 to 2012-09-10

2.4 Location of Testing

TÜV SÜD America, Inc., 10040 Mesa Rim Road, San Diego, CA 92121 USA

2.5 Points of Non-compliance or Exceptions of the Test Procedure

None

3. Test Results

3.1 Positive Test Results

The test specifications are met

4. Remark

The user manual has been examined according to the minimum requirements described in the product standard. The manufacturer is responsible for the accuracy of further particulars as well as of the composition and layout.

If applicable, this Technical Report along with the attached Constructional Data Form (CDF) supplements any issued TÜV SÜD Product Certificate Marks, see issued certificate and Test and Certification Regulations for details. Maintain all items as evidence of this evaluation.

This technical report closes out this project, one set of tests and evaluation on a single unit.

4.1 Remarks to Factory

The assembly of the product has to comply with the documentation Constructional Data Form (CDF). Before the implementation of safety relevant modifications to the product into the ongoing production the product must be retested for assessment. The results must be implemented to the documentation and if necessary the certificate must be updated.

Failure to do so can result in recall, field service upgrade requirements or discontinued authorization of an agencies Test Mark.

Your production facility is currently on a (twelve month) inspection cycle.

If fluctuations in production quality in a production facility are to be expected it has to be pondered whether a shorter cycle of factory inspections must be applied. Causes therefore may be up directly to the manufacturer or arise from the environment in the country. At the determination of the cycle the respective specifications of the individual certification schemes are to be observed.

4.2 Routine Safety Testing:

The final inspections in the production are described in the **EN 60730-1**

Required: Not Required Reason: Class III product:

Test Details:

- Dielectric Strength:
- Grounding Continuity Test:

Test Points:

BI: L/N – Chassis

Test Values:

1450 VAC
25 A

5. **Documentation**

- Construction Data Form (CDF)
- Technical Report (TR)

6. **Summary**

The equipment submitted MEETS the requirements of the test specification(s).
If any of the Applicant, Responsible Manufacture, Factory location(s) or Product information in this Technical Report is incorrect or misstated, please advise us of the correction, as this is the information to be placed in the finalized Test Report(s) and Certificate (if applicable).

TÜV SÜD America Inc, Product Safety Services

Engineer:



Sotiris Pispas
PSS Engineer



Technical Report Checked



Henrik Poulsen
PSS Senior Engineer