



[ 1 ]

## EC-Type Examination Certificate

[ 2 ] **Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres**

**Directive 94/9/EC**

[ 3 ] EC – Type Examination Certificate Number : **IEP 15 ATEX 0338**

[ 4 ] Equipment : **HRY Type Anti-condensation Heater**

[ 5 ] Manufacturer : **Hilkar Elektrik Elektroteknik Sanayi ve Ticaret Ltd. Şti.**

[ 6 ] Address : **1. Organize Sanayi Bölgesi 1. Yol No:16 Arifiye Sakarya Turkey**

[ 7 ] This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[ 8 ] The IEP Uluslararası Enerji Petrol Gözetim , Sertifikasyon ve Teknik Hizmetler Organizasyonu Tic. Ltd. Sti. , notified body number 2284 in accordance with of the Council Directive 94/9/EC of 23 March 1994 certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive. The examination and test results are recorded in confidential Report Nr : IEP - RP.Ex - 10. 785 date 20.07.2015

[ 9 ] Compliance with Essential Health and safety requirements has been assured by compliance with ;

EN 60079-0/2012 ; EN 60079-7/2008

[10 ] If the sign “ X “ is placed after the certificate number , it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

[ 11 ] This EC-Type Examination Certificate relates only to the design examination and testing of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

[ 12 ] The marking of the equipment or protective system shall include the following :



**II 2G Ex eb II T3 Gb**

**Responsible Person :**

Nurettin Terzioğlu  
Head of Certification Body



**Date of Issue : 15.10.2015**





[ 13 ] Schedule

[ 14 ] Certificate Nr : **IEP 15 ATEX 0338**

[ 15 ] Description of Equipment Protective System

The HRY Type Anti-condensation space (panel) heaters prevent condensation thru convection. HRY Type Anti-condensation heaters are made of resistance element in a stainless steel enclosure. The body edges are fully welded. Cable is connected directly to the resistor. Cable has flame retarding property.

The HRY Type Anti-condensation heaters are made of according to IP 67 protection degree.

The HRY Type Anti-condensation heaters are suitable to use for Zone 1 and Zone 2 hazardous areas which are mentioned as per EN 60079-10-1 standard.

### Technical Parameters : HRY Type Anti-condensation Heater

**Voltage AC/DC** : 24 ~ 277 V  
**Power** : 30, 50, 100 W  
**Temperature Class** : T3  
**IP XY** : IP 67  
**Ambient Temperature** : ( - 40 ~ + 80 ) °C

[ 16 ] This certificate is in the contents of standards that mentioned in item [ 9 ] It has been accepted that The HRY Type Anti-condensation heater is manufactured according to the producer instructions and the standards mentioned above.

[ 17 ] Informations of mounting instruction manual of HRY Type Anti-condensation heater 2 pages approved and date 05.2014

[ 18 ] List of Documentation ;

<u>Doc. Name</u>	<u>Doc. Nr</u>	<u>Date</u>
Technical Drawing	HRy.30.Ex (HRy.r.30.Ex)	24.03.2015
3D Drawings	HRy.05	15.04.2015
Test Reports	1504026	16.04.2015

Bill of materials of HRY Type Anti-condensation heater are indicated in 3D drawings.

**Responsible Person :**

Nurettin Terzioglu  
Head of Certification Body



**Date of Issue : 15.10.2015**