

Type Approval Certificate

This is to certify that the undernoted product has been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

This certificate is issued to:

PRODUCER	Microdata Due S.r.l.
PLACE OF PRODUCTION	Via Greti Del Vara, 9 19020 Follo (SP) Italy
DESCRIPTION	Fire Detection System
TYPE	MD2010 comprising: Fire Alarm Control Panel MD2010-CU(P/N-27663) with Branch Control Unit BCU(P/N-27672) or Loop Control Unit LCU(P/N-26133) Expansion Branch Control Module MD2010-BR(P/N-27684) Power Supply MD2010-PS(P/N27677)
APPLICATION	Marine, offshore and industrial use in environmental categories ENV1 & ENV2 as described in Lloyd's Register Test Specification No. 1: 2002
SPECIFIED STANDARD	EN 54-2: 1997 including AC(1999) and A1 (2006) EN 54-4: 1997 including AC(1999), A1 (2002) and A2 (2006)
Certificate No.	11/00056
Issue Date	18 October 2011
Expiry Date	17 October 2016
Sheet	1 of 2



T.C. Morrison
London Design Support Office
Lloyd's Register EMEA

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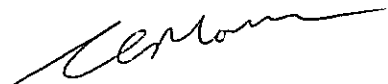
RATINGS

Control Panel:	28Vdc
Max loop current:	1.2A
Expansion Module:	5/28Vdc 0.1A
Main & emergency power supply:	100/240V 50/60Hz 120W
Battery back-up:	24Vdc 7.5/12Ah

"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."

The Design Appraisal Document No.11/00056 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No.	11/00056
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DESIGN APPRAISAL DOCUMENT

Date 18 October 2011	Quote this reference on all future communications LDSO/ETS/TCM/WP5875787/W02685353
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LLOYD'S REGISTER TYPE APPROVAL SYSTEM, 2002.

Issued to: MICRODATA DUE S.R.L.

for: FIRE DETECTION SYSTEM

Type: MD2010

TYPE APPROVAL CERTIFICATE No. 11/00056

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register Type Approval System, 2002 and this Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

Request for Quotation form	15.02.2011
Microdata Due letter	01.03.2011
RINA ISO 9001:2008 Certificate No. 19268/09/S	23.02.2009
RINA EC Type Examination Certificate (Module B) No. MED294710CS	24.01.2011
RINA EC Product Quality Assurance (Module D) No. MED006311SP/001	14.04.2011
RINA Type Approval Certificate No. ELE294210CS	26.01.2011
Technical Specification ST29060 Rev.0	01.04.2010

Data Sheets

D29061 Rev. 0
D29065 Rev. 0
D30091 Rev.0

Test Reports

10A167F	13.01.2011
IS29064 Rev. 0	14.04.2010
IS29064 Annex A	14.04.2010
IS29064 Annex B	14.04.2010
IS29064 Annex C	14.04.2010
1099	28.10.2010
1150	08.11.2010
2159/10	23.12.2010



Lloyd's Register EMEA (London Office)

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Supplementary Type Approval Terms and Conditions

Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.

Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.

Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.

Lloyd's Register EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the Lloyd's Register Type Approval System Procedure.

Tony Morrison
Electrotechnical Systems
London Design Support Office

