

EU RO MUTUAL RECOGNITION TYPE APPROVAL CERTIFICATE

This Certificate is issued to

Orion Technology Co., Ltd.
Kimcheon-shi 10, Republic of Korea

for

Monitors, Terminals

with type designation(s)

15RTLE, 19RTLE, 24RTLE, 19MDM, 215MDM, 23MDM

The product is found to comply with

Type Approval Programme for EU RO MR for Monitors, Terminals

Intended service

Display for alarm and monitoring systems subject to classification.

The monitors have been verified for compliance with EU Mutual Recognition Technical Requirements version 0.2, dated 2015-01-31.

This Certificate is valid until **2020-10-21**.

Issued at **Høvik** on **2015-10-22**

DNV GL local station: **Gimhae MC & FIS**

Approval Engineer: **Nils Jarem**

for **DNV GL**

Odd Magne Nesvåg
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

Job Id: **262.4-000026-1**
Certificate No: **MRA0000004**

Product description

Display types:

Model name	Input Voltage	Inch	Remark
15RTLE	AC 110~240V	15"	RTLE : Console Type
19RTLE	AC 110~240V	19"	
24RTLE	AC 110~240V	24"	
19MDM	DC 12V	19"	MDM : General Type (without stand)
215MDM	DC 12V	21.5"	
23MDM	DC 12V	23"	

Compass safe distances:

24RTLE: Standard: 135 cm. Steering: 80 cm.

Tested hardware/firmware versions:

24RTLE, 215MDM, 23MDM: 24RTLE-2V1.0 dated 2015-01-29 (OT-15-0032-RD)
19RTLE, 19MDM: 19RTLE-2V1.0 dated 2015-01-29 (OT-15-0033-RD)
15RTLE: 15RTLE-2V1.0 dated 2015-01-29 (OT-15-0034-RD)

Manufactured by

Orion Technology Co., Ltd.
1242, Apo Industrial Zone, Gyeongbuk, Republic of Korea

Application/Limitation

The Type Approval covers all hardware listed under Product description. The display monitors are intended for use in alarm and monitoring systems subject to classification.

Type Approval documentation

Marking of product

Manufacturer's name: ORION TECHNOLOGY CO., LTD.
Model No.: Model name as listed under product description
Unique serial No. Barcode including date and serial no.
Power supply ratings: Mains voltage as listed under product description + Power.

Other Conditions

The monitors have been verified for compliance with EU Mutual Recognition Technical Requirements version 0.2, dated 2015-01-31.

Environmental test parameters

Temperature: 5°C and 70°C
Vibration: ±1mm / 0.7g
EMC: All locations including bridge and open deck
Enclosure: IP22 Front (IP ratings according to IEC 60529)
Salt mist: Corrosion test waived.

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the type are complied with, and that no alterations are made to the product design or choice of systems, software versions, components and/or materials.

The main elements of the assessment are:

- Ensure that type approved documentation is available
- Inspection of factory samples, selected at random from the production line (where practicable)
- Review of production and inspection routines, including test records from product sample tests and control routines
- Ensuring that systems, software versions, components and/or materials used comply with type approved documents and/or referenced system, software, component and material specifications



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- Review of possible changes in design of systems, software versions, components, materials and/or performance, and make sure that such changes do not affect the type approval given
- Ensuring traceability between manufacturer's product type marking and the type approval certificate

Periodical assessment is to be performed annually and at renewal of this certificate.

END OF CERTIFICATE