



**TYPE APPROVAL CERTIFICATE**  
No. ELE449021CS

**This is to certify** that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	<b>Monitoring module and datalogger of electrical parameters</b>
<i>Type</i>	<b>EMA-D6 - EMS-D6 - RDU</b>
<i>Applicant</i>	<b>CONTREL ELETTRONICA SRL Via San Fereolo 9 26900 Lodi (LO) italy</b>
<i>Manufacturer</i>	<b>CONTREL ELETTRONICA SRL</b>
<i>Place of manufacture</i>	<b>Via San Fereolo 9 26900 Lodi (LO) Italy</b>
<i>Reference standards</i>	<b>Rules for the classification of ships.- Part C - Machinery, systems and fire protection. - Ch.3, Sect. 6, Table 1.</b>

*Issued in* **Genoa** on **February 3, 2022**. *This Certificate is valid until* **February 4, 2027**

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**RINA Services S.p.A.**  
**Cinar Kutlar**

This certificate consists of this page and 1 enclosure

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EMA/EMS-D6

### **EMA/EMS-D6** Electrical Monitoring Supervisor

#### **Introduction:**

The EMS-D6 is a Electrical Monitoring Supervisor for displaying all the relevant system parameters in low and medium voltage power distribution. It is capable of single-phase, two-phase or three-phase measurement and can be used in two-wire, three-wire, four-wire, TN, TT and IT systems.

Thanks to its large measured voltage range, the EMS-D6 with multi-range power supply can be connected in any low and medium voltage system up to a rated system voltage of 690 VAC.

Higher voltages can be measured using voltage transformers. For measuring current, either x/1 A or x/5 A current transformer can be used.

The combination of four function keys with the multi-language plaintext displays makes intuitive user prompting possible. The graphic LCD offers user-friendly interface.

The RS-485 or Ethernet interface or an optionally available interface module can be used for communication. In addition, the EMS-D6 has a multifunctional digital output. The parameters can be set either direct on the device or via the communications interface. Password protection is integrated via the front of the device to guard against unauthorized access.

#### **Reference document:**

INSTRUCTION MANUAL IM114-U v0.2

INSTRUCTION MANUAL IM1204-U v0.2

INSTRUCTION MANUAL IM1205-I v0.1

INSTRUCTION MANUAL IM145.2-U v0.1

WIRING DIAGRAM RDU SC-001 v0.1

INSTRUCTION MANUAL RDU SP-001 v0.1

#### **Test reports:**

TesLab Report n. 21A251F rev. 01 (2021/12/22)

**Genoa 03/02/2022**