RINA

TYPE APPROVAL CERTIFICATE

N. ELE196018CS001

This is to certify that the product below is found to be in compliance with the applicable requirements of the RINA Type Approval system

Description	**Alarm Module**
Type	**Compalarm E**
Applicant	**Contrel Elettronica Srl** **Via San Fereolo, 9** **26900 Lodi (LO)** **Italy**
Manufacturer	**Contrel Elettronica Srl** **Via San Fereolo, 9** **26900 Lodi (LO)** **Italy**
Testing Standards	**Rules for the Classification of Ships, Part C , Machinery, Systems and Fire protection Ch. 3, Sect. 6, Table 1**

Issued at Genoa on
August 30, 2018

This Certificate is valid until
August 30, 2023

Valerio Bonanni

RINA Services S.p.A.

Compalarm E alarm annunciator:

The **Compalarm E** alarm annunciator is used to inform the operator that a process has gone beyond set limits using a visual and audible alarms.
The TFT color display offers a user–friendly interface, which can be set the number of cells required to suit individual panel design. It's possible to set different display window types: small, medium, large window, icon style, alarms group version.
RS-485 interface with Modbus protocol is provided, to consent the integration in supervision systems.

Description:
- Programmable alarm annunciator
- Flush mount standard 96x96mm housing
- TFT color display 3.5"
- Navigation keys for alarms viewing and settings
- Internal power supply is available for alarm channels
- Built-in RS485 interface (Modbus RTU)
- Modular construction from 1 to 256 alarm channels
- Programmable outputs
- Internal 10 audio tone generator
- Alarm sequences (A, F1A, F2A, F3A, M, M5, F1M, F2M, F3, R8)
- First-out detection
- Event log
- Alarm detection time min 20ms
- Remote push buttons (Ack, Reset, Test)
- Each channel programmable from front panel
- Password protection for settings
- RJ45 Ethernet module (Modbus TCP)

Reference document:
Instruction Manual n. IM690-IU V0.3 IM 690-IU V 0.3

Test Report:
TesLab Report n. 17C326F rev. 01 (2018/08/20)