

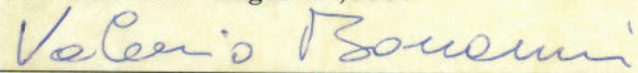
TYPE APPROVAL CERTIFICATE
No. ELE332909CS



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> | Alarm modules |
| <i>Type</i> | AL8-2 |
| <i>Applicant</i> | DEIF A/S Frisenborgvej 33, DK-7800 Skive DENMARK |
| <i>Manufacturer</i> | DEIF A/S |
| <i>Place of manufacture</i> | Frisenborgvej 33, DK-7800 Skive DENMARK |
| <i>Reference standards</i> | Rules for the Classification of Ships - Part C - Machinery, Systems and fire protection - Ch.3, Sect.6, Tab.1. |

Issued in **Genoa** on **August 17, 2009**. This Certificate is valid until **August 17, 2014**



RINA
Valerio Bonanni

This certificate consists of this page and 1 enclosure



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Enclosure - Page 1 of 1

AL8-2

AL8-2 alarm panel main features:

- 8 digital alarm inputs (individually programmable for N/O or N/C contact)
- alarm time delay is individually programmable
- 3 relay output (external audible/visual alarm and group alarms)

AL8-2 front panel includes :

- 8 LEDs marked 1 to 8 for indication of alarm condition of the individual alarm inputs
- 1 LED for "Power On" (12-48 Vdc / 110Vdc)
- 1 LED for cable failure
- 1 LED for inhibit of alarms
- 1 Push button for horn reset
- 1 Push button for lamp test
- 1 Push button for lamp reset
- 1 Test button for function test

Up to 5 alarm units in Master / Slave configuration may be connected together

Power supply: 24 Vdc nom.

Reference document:

DEIF doc. n° 4921230002D and n° 4189320003C

Test Reports:

DEIF doc. n° EPA 0175/NMJ (18/06/2004)

DEIF doc. n° IPA 0183/NMJ (18/06/2004)

Genoa 17/08/2009

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