



DET NORSKE VERITAS

TYPE APPROVAL CERTIFICATE

CERTIFICATE NO. A-8052
This Certificate consists of 2 pages

This is to certify that
Burner Management System

with type designation(s)
**LAE1 and LEC1 with Flame Detector RAR7 or RAR8 and
Flame Detector Relay LAE10**

Manufactured by
Landis & Staefa Produktion GmbH
Rastatt, Germany

is found to comply with
Det Norske Veritas' Rules for Classification of Ships and Mobile Offshore Units

Application/limitations

Location classes:

Temperature	A
Humidity	B
Vibration	A
Enclosure	Required protection according to the Rules to be provided upon installation on board.

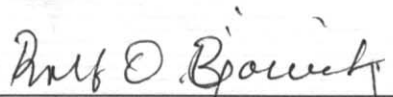
Place and date
Høvik, 2001-06-20
for DET NORSKE VERITAS AS


Knut-Helge Knutsen
Head of Section



Local Office
DNV Essen

This Certificate is valid until
2004-12-31


Rolf O. Bjørvik
Surveyor

Notice: This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.



Cert. No.: A-8052
File No.: 862.60

Application/Limitation

Change over latch "C" on the rear of the control's printed circuit board to be connected.

Type Approval documentation

Data sheet no.	Title	Date
CC1N7761E	LEC1...Serie 02	1997-01-01
CC1N7781E	LAE10, LFE10	1999-06-01
CC1N7713E	Selenium Photocell Detector, RAR	1997-08-14
CC1N7161E	LAE, Serie 02	1999-01-11

Certificate retention survey

The scope of the retention/renewal survey 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 survey 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.
- 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.

Survey to be performed at renewal of this certificate.

END OF CERTIFICATE