



DET NORSKE VERITAS

TYPE-EXAMINATION CERTIFICATE

CERTIFICATE NO. 2006-OSL-ALM-0505

This Certificate consists of 5 pages

This is to certify that the product
Intrusion Alarm System

with type designation(s)
Integra 24, 32, 64 and 128, with peripheral equipment
(as detailed overleaf)

Manufactured by
SATEL
GDANSK, Poland

has been assessed with respect to
Technical Specification CLC/TS 50131-3, including relevant underlying normative references, and found to comply with the applicable requirements

Further details are given overleaf.

Place and date
Høvik, 2007-02-01
for DET NORSKE VERITAS

This Certificate is valid until
2012-02-01

Line Gangeskar
Head of Section
Product and Personnel Certification
(ZWN0422)



Are Larsen Otterdal
Technical Reviewer

Notice: The certificate is subject to terms and conditions overleaf. Any significant changes 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 200.000. 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.



Certificate history

This is the original Certificate.

Product description

Integra 24 system:

Unit no.	Description	Model	Type	Ser. No. /HW	Other info/SW
Control unit consisting of: (Enclosure OMI-1)					
1	Main PCB	Satel	Integra 24	V1.5a	V1.04 051007
	Battery (1)	FGS	FGS20721A	050712D	(12V 7.2Ah)
	Transformer	Pulsar	SP-J (40VA)	PT468	230VAC, 18V-2A.
Other separate units:					
2	Keypad (LCD)	Satel	Integra KLCD-S	V1.4	V6.01

Integra 32 system:

Unit no.	Description	Model	Type	Ser. No. /HW	Other info/SW
Control unit consisting of: (Enclosure OMI-2)					
1	Main PCB	Satel	Integra 32	V1.4a	V1.04 051007
	Battery (1)	FGS	FGS211803A	050901F	(12V 18Ah)
	Transformer	Pulsar	SP-J (40VA)	PT468	230VAC, 18V-2A.
Other separate units:					
2	Keypad (LCD)	Satel	Integra KLCD-L	V1.4	V6.01

Integra 64/128 system:

Unit no.	Description	Model	Type	Ser. No. /HW	Other info/SW
Control unit consisting of: (Enclosure OMI-3)					
1	Main PCB	Satel	Integra 128	V1.4	V1.04, 25.01.06
	Zone expander (2)	Satel	CA-64E	V1.4a	V1.5, 040308
	Voice interface	Satel	CA-64 SM	V1.4	V1.1, 011026
	Battery (1)	FGS	FGS211803A	050901F	(12V 18Ah)
	Mains transformer	Noratel	LF66B-20	50/20-MH501	230VAC/20VAC 60VA





Table contd.,

Other separate units:					
2	Keypad (LCD)	Satel	Integra KLCD/KLCD-R	V1.4	V1.02
3	Partition Keypad (LED diodes)	Satel	Integra S	V2.4a	V1.1, 050204
Enclosure OBU-EXA					
4	Output-expander	Satel	CA-64 O- R/OC/ROC	V1.3a	V1.3, 011026
5	Zone expander	Satel	CA-64E	V1.4a	V1.5, 040308
Enclosure CA-10 OBU (CA-64 ADR-MOD located outside the enclosure)					
6	Adr. Exp. Mod.	Satel	CA-64 ADR	V2.0	V1.7 050926
7	Zone expander	Satel	CA-64E	V1.4a	V1.5, 040308
8	Biscuits (8)	Satel	CA-64 ADR MOD	F	V2.0
9	Transformer	Pulsar	SP-J (40VA)	PT468	230VAC, 18V-2A.
Enclosure CA-10 OBU					
10	Output expander	Satel	CA-64 OPS- R/OC/ROC	V1.4a	V1.4 050926
11	Zone expander (2)	Satel	CA-64E	V1.4a	V1.5, 040308
12	Transformer	Pulsar	SP-J (40VA)	PT468	230VAC, 18V-2A.
Enclosure CA-10 OBU					
13	Zone/out-expander	Satel	CA-64 PP	V1.3	V1.4 050926
14	Current limiter	Satel	ZB-2	V1.0	NA
15	Transformer	Pulsar	SP-J (40VA)	PT468	230VAC, 18V-2A.
Enclosure CA-10 OBU					
16	Zone expander	Satel	CA-64 EPS	V1.4a	V1.7 050926
17	Zone expander (2)	Satel	CA-64E	V1.4a	V1.5, 040308
18	Transformer	Pulsar	SP-J (40VA)	PT468	230VAC, 18V-2A.





Applied Standards/Tests carried out

Performance requirements according to:

- CLC/TS 50131-3: 2003,

with the following underlying normative references:

- EN 50131-1: 1997
- EN 50130-4: 1996 ^{*)}**)
- EN 50130-5: 1998
- EN 50131-6: 1997

Technical documentation

- Box and PCB drawings
- List of current versions of HardWare and SoftWare
- User Manuals
- Report 2005-3543 from DNV

(All technical documentation not uniquely identified above is filed at DNV for later reference, when needed)

Applications/Limitations

Security grade: 3

Environmental class: II (Indoor – General)

The systems have not been assessed with respect to electrical safety

^{*)} The CLC/TS 50131-3 lists this standard as normative, but does not have any explicit requirements in the text.

^{**)} The EN 50130-4 standard is supplemented by two amendments; A1: 1998 (dow: 2001-01-01) and A2: 2003 (dow: 2007-09-01). The products are fully tested to A1, but not to A2.





Terms and conditions

This Certificate is concerned with the design of the product, only. The liability for each individual product manufactured rests with the manufacturer, his representative or, in the absence of a representative, the importer, in accordance with e.g. for Europe; the General Product Safety Directive 2001/95/EC.

The following conditions may render this certificate invalid:

- Changes in the design or construction of the product
- Changes or amendments in the standards referred to above

Marking of product

In order to fully meet with the certification requirements of DNV and gain access to the use of the DNV Logo, the manufacturer must also have the final product and/or production assessed according to one of the procedures listed below.

Conformity assessment procedures for production:

- Case-by-case/batch inspection
- Production quality assurance

For Europe, the CE marking shall also be affixed, when the manufacturer has compiled the relevant technical documentation and signed the Declaration of Conformity.

END OF CERTIFICATE

