

EC Type Examination Certificate

This is to certify that:

R. STAHL Schaltgeräte GmbH
Am Bahnhof 30
Waldenburg
74653
Germany

Holds Certificate Number:

BSI/A.1/3.53/590299

In respect of:

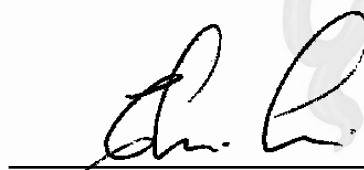
MED/3.53 – Fire Alarm Devices - Sounders.

Product - YODALARM YO3 Series (YA30 AC/DC), YO4 Series (YA40/YL40 AC/DC, YO5 Series (YA50/YL50 AC/DC), YO8 Series (YA80/YL80/YA8S/YL8S AC/DC).

Specified Standard - EN 54-3 (2001) including A1 (2002) & A2 (2006), IEC 60092-504 (2001) including Corrigendum 1 (2011) , IEC 60533 (1999).

on the basis that BSI carried out the relevant EC type examination procedures for the equipment identified above which was found to be in compliance with the Marine Equipment Directive (MED) 2014/90/EU and Regulation (EU) 2017/306, subject to any conditions in the schedule attached hereto. The attached schedule of approval forms part of this certificate.

For and on behalf of BSI, a Notified Body for the above Directive (Notified Body Number 0086):

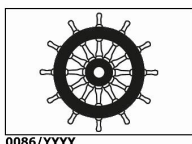


Chris Lewis - Certification Director, Product Certification

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Latest Issue: 2018-04-09

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...making excellence a habit.™

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No. BSI/A.1/3.53/590299

Schedule of Approval

Manufacturer
Address :

R. STAHL (P) LTD
Plot No 5, Malrosapuram Road
Sengundram Industrial Area
Maraimalai Nagar
Kanchipuram District
Tamilnadu 603209
India

Models Covered:

YO3 Series - YA30 AC/DC Units (Sounder only) 100dB(A) @ 1 Meter

Model YA30**abc**

- a** = D (24Vdc), F (48Vdc), L (115Vac), N (230Vac), H (110Vdc)
- b** = RF Material (Red Flame)
- c** = WR (IP rating IP65)

YO4 Series - YA40 AC/DC Units (Sounder only), YL40 AC/DC (Sounder + Strobe)

Model YA40**abc** (106dB(A) @ 1 Meter)

- a** = D (24Vdc), F (48Vdc), L (115Vac), N (230Vac), H (110Vdc)
- b** = Material RF (Red Flame), RN (Red Normal), WN(White Normal)
- c** = WR (IP rating IP65)

Model YL40**abcd** (106dB(A) @ 1 Meter)

- a** = D25 (24Vdc 2.5 Joules), D50 (24Vdc 5.0 Joules), F50 (48Vdc 5.0 Joules), L50 (115Vac 5.0 Joules), N50 (230Vac 5.0 Joules)
- b** = Lens Colour A (Amber), R (Red), G (Green), O (Opal), B (Blue), C (Clear)
- c** = Material RF (Red Flame), RN (Red Normal), WN(White Normal)
- d** = WR (IP rating IP 65)

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To check its validity telephone +44 (0) 345 080 9000. An electronic certificate can be authenticated [online](#).

BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.
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Models Covered (continued):

Y05 Series - YA50 AC/DC Units (Sounder only), YL50 AC/DC (Sounder + Strobe)

Model YA50**abc** (110dB(A) @ 1 Meter)

- a** = D (24Vdc), F (48Vdc), L (115Vac), N (230Vac),
- b** = Material RF (Red Flame)
- c** = WR (IP rating IP65)

Model YL50**abcd** (106dB(A) @ 1 Meter)

- a** = D25 (24Vdc 2.5 Joules), D50 (24Vdc 5.0 Joules), F50 (48Vdc 5.0 Joules), L50 (115Vac 5.0 Joules, N50 (230Vac 5.0 Joules)
- b**= Lens Colour A (Amber), R (Red), G (Green), O (Opal), B (Blue), C (Clear)
- c** = Material RF (Red Flame)
- d** = WR (IP rating IP 65)

Y08 Series - YA80 AC/DC Units (Sounder only), YL80 AC/DC (Sounder + Strobe) YA8S AC/DC Units (Sounder only), YL8S AC/DC (Sounder + Strobe)

Model YA80**abcd** (115dB(A) @ 1 Meter)

- a** = D (24Vdc), F (48Vdc), L (115Vac), N (230Vac),
- b** = Material RF (Red Flame)
- c** = SU Super Unit **YA8S** Model (120dB(A) @ 1 Meter)
- d** = WR (IP rating IP65)

Model YL80**abcde** (115dB(A) @ 1 Meter)

- a** = D25 (24Vdc 2.5 Joules), D50 (24Vdc 5.0 Joules), F50 (48Vdc 5.0 Joules), L50 (115Vac 5.0 Joules, N50 (230Vac 5.0 Joules)
- b**= Lens Colour A (Amber), R (Red), G (Green), O (Opal), B (Blue), C (Clear)
- c** = SU Super Unit **YL8S** Model (120dB(A) @ 1 Meter)
- d** = Material RF (Red Flame)
- e** = WR (IP rating IP 65)

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Approval Documentation that forms part of this certification:

MODELS	General Assy DWG			PCB DWG			Circuit DWG		
	DWG NO	REV	DATE	DWG NO	REV	DATE	DWG NO	REV	DATE
YA30	D7191	2	23/02/2011	D7157	11	23/11/2011	WD9520	5	08/09/2012
	D7192	2	23/02/2011	D7158	11	23/11/2011	WD9521	4	28/06/2012
	D7256	2	23/02/2011	D7240	7	30/11/2011	WD9531	6	30/11/2011
YA40	YA4020680010	0	16/09/2015	D7157	11	23/11/2011	WD9520	5	08/09/2012
				D7158	11	23/11/2011	WD9521	4	28/06/2012
				D7240	7	30/11/2011	WD9531	6	30/11/2011
YA50	D7195	2	23/02/2011	D7157	11	23/11/2011	WD9520	5	08/09/2012
	D7196	2	23/02/2011	D7158	11	23/11/2011	WD9521	4	28/06/2012
	D7258	2	23/02/2011	D7240	7	30/11/2011	WD9531	6	30/11/2011
YA80	YA8020680010	1	26/10/2016	D7160	9	14/07/2014	WD9522	5	21/07/2014
YL40	YL4020860010	0	16/09/2015	D7157	11	23/11/2011	WD9520	5	08/09/2012
				D7158	11	23/11/2011	WD9521	4	28/06/2012
				D7240	7	30/11/2011	WD9531	6	30/11/2011
				D7207	9	10/11/2013	WD9525	4	08/09/2012
				D7206	12	10/10/2013	WD9526	4	10/10/2013
YL50	D7205	3	23/02/2011	D7157	11	23/11/2011	WD9520	5	08/09/2012
				D7158	11	23/11/2011	WD9521	4	28/06/2012
				D7240	7	30/11/2011	WD9531	6	30/11/2011
				D7206	12	10/10/2013	WD9526	4	10/10/2013
YL80	YL8020680010	1	26/10/2016	D7160	9	14/07/2014	WD9522	5	21/07/2014
				D7207	9	10/11/2013	WD9525	4	08/09/2012
				D7206	12	10/10/2013	WD9526	4	10/10/2013
FL40	FL4020680010	0	03/09/2015	D7207	9	10/11/2013	WD9525	4	08/09/2012
				D7206	12	10/10/2013	WD9526	4	10/10/2013

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Approval Documentation that forms part of this certification (continued):

Supporting Documentation			
Documents Ref.	Rev./ Issue No.	Date	Title
RS/CS/TP-008 RS/CS/TP-010	07 02	01/2016 09/2013	YO3, YO4, YO5 YL4 & YL5 Test Specification & Procedure YO8/YL8 Test Specification & Procedure
Technical File	1	09/2012	Project Ref 7878114 Electronic copy of the Technical file covering the models listed on page 1.
Report	-		2400/7878114 Technical Dossier Assessment Report 288/7625707, 255/4647150, 222/4647149, 2390/7716811, 228/4657936 TUV Reports 75911728, 75916991 and Stahl Report 6187/12
Updated Technical File	2	10/2015	Project Ref 8421404 – Updated documents and Test procedures
Updated Technical File	3	04/2018	Project Ref 8793928 – Updated documents & Test Specifications, update to 2014/90/EU
Kitemark CPR	-		Kitemark Certificate No. KM 91259 CPR Certificate No 0086-CPR-96705

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Conditions of Certification:

- i) This BSI/A.1/3.53/590299 issue 3 certificate remains valid unless cancelled or revoked, provided the conditions listed below are complied with and the equipment remains satisfactory in service
- ii) The manufacturer shall inform BSI of all modifications to the approved product type that may affect the conformity of the marine equipment with the requirements of the relevant standards or regulations..
- iii) This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with the notified body named on this certificate
- iv) Detailed User instructions are to be provided with each product.
- v) The equipment detailed on this certificate are to be manufactured in accordance with Conformity to Type Based on Quality Assurance of the Production Process (Module D) of the Marine Equipment Directive.
- vi) If the specified standards or regulations are amended during the validity of this certificate, the approved product type is to be re-approved prior to it being supplied to vessels to which the amended standards or regulations apply
- vii) Production tests are to be conducted in accordance with the applicable requirements of the SOLAS/IMO Resolutions and applicable standards and be recorded by the manufacturer in accordance with the approved Conformity to Type Based on Quality Assurance of the Production Process (Module D) of the Marine Equipment Directive.

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