



EC DECLARATION OF PERFORMANCE

WE, MANUFACTURER

COTINA CO., LTD.

Registered in Taiwan VAT No. : 12428303

5F., NO.515, SEC.3, MING CHIN ROAD, TAI SHAN DISTRICT, NEW TAIPEI CITY, TAIWAN

DECLARE THE PRODUCTS OF LOUDERSPEAKER FOR VOICE ALARM SYSTEM ITEM NO.:

CS-651WTBS, CS-652WTBS

EN54-24 CERTIFICATE NO. : 1488-CPD-0322/W DATED : 17.01.2013

CERTIFIED BY : BUILDING RESEARCH INSTITUTE

Ul. FILTROWA 1,00-611 WARSZAWA, POLAND

TEL:48(22)5796167 FAX:48(22)5796295 Website : www.itb.pl

TO WHICH THIS DECLARATION RELATES IS IN CONFORMITY WITH EN54-24:2008

DECLARED PERFORMANCE :

Essential characteristics	Reference / Test method	Performance
Compliance	PN-EN54-24 Point 4.1	Positive
Frequency response limits	PN-EN54-24 Point 4.2	Positive
Durability	PN-EN54-24 Point 4.3	Positive
Construction	PN-EN54-24 Point 4.4	Positive
Marking and data	PN-EN54-24 Point 4.5	Positive
Reproducibility	PN-EN54-24 Point 5.2	Positive
Rated impedance	PN-EN54-24 Point 5.3	Positive
Horizontal and vertical coverage angles	PN-EN54-24 Point 5.4	Positive
Maximum sound pressure level	PN-EN54-24 Point 5.5	Positive
Rated noise power (durability) for 100 hours	PN-EN54-24 Point 5.6	Positive
Dry heat (operational)	PN-EN54-24 Point 5.7	Positive
Dry heat (endurance)	PN-EN54-24 Point 5.8	Positive
Cold (operational)	PN-EN54-24 Point 5.9	Positive
Damp heat, cyclic (operational)	PN-EN54-24 Point 5.10	Positive
Damp heat, cyclic (steady state)	PN-EN54-24 Point 5.11	Positive
Damp heat, cyclic (endurance)	PN-EN54-24 Point 5.12	Positive
SO ₂ corrosion (endurance)	PN-EN54-24 Point 5.13	Positive
Shock (operational)	PN-EN54-24 Point 5.14	Positive
Impact (operational)	PN-EN54-24 Point 5.15	Positive
Vibration, sinusoidal (operation)	PN-EN54-24 Point 5.16	Positive
Vibration, sinusoidal (endurance)	PN-EN54-24 Point 5.17	Positive
Enclosure protection (IP 21C)	PN-EN54-24 Point 5.18	Positive

This declaration of performance is issued under the sole responsibility of Cotina Co., Ltd.

Signed on behalf of Cotina Co., Ltd :

Signature :

Cheng, Liang-Chih

General Manager

Date : Dec. 06, 2013

