

DSE-900Z ELECTRONIC SIREN

DSE-900Z electronic siren is used to alert and warn people in high-risk areas about dangerous events such as fires, floods, explosive materials and the release of toxic substances into the atmosphere. This type of siren is usually used to warn and evacuate people in manufacturing halls, industrial areas, stadiums and airports.

ADVANTAGES AND FEATURES

RANGE

DSE-900Z electronic siren is equipped with 6 aluminum horn/tube speakers with omnidirectional sound propagation (each speaker covers 90°) and total SPL intensity 112 dB (A)/30m. Depending on terrain type the siren's audible area is equivalent to 1 km² ÷ 3 km².

EFFICIENCY

Tube speakers are distinguished by their unique construction that enables effective transmission of sound over a large area. Usually they are used in large manufacturing halls or industrial plant where it is necessary to produce siren sound that is more powerful than surrounding noise.

LOCAL CONTROL

In addition to remote control, it is possible to trigger siren system locally from DMO-700 control panel in metal cabinet or smaller DMS-21 and DMS-18B control panels. You can also control one siren by wire using DPS-19 control panel.

REMOTE CONTROL

DSE-900Z siren can be controlled remotely using IP protocol (digitexCZK/IP® system), radio transmission (analogue or digital radio) and GSM. It is also possible to connect the siren to any existing alarm or monitoring system over wired interface.

VOICE MESSAGES

DSE-900Z electronic siren allows for broadcast of every type of voice messages (live or prerecorded, on the spot or from a remote location) and other irregular recordings (eg warning sounds or anthems).

INSTALLATION

DSE-900Z tube speakers are evenly distributed around the axis of the speaker mast structure. They are adapted for mounting on the roofs-tops of buildings or inside large halls.



TECHNICAL PARAMETERS

Output power	900 W
SPL sound pressure level	112 dB(A)/30 m
Number of loudspeakers	6
Number of amplifiers	3 x 300 W
Sound frequency	dual tone 400 ÷ 430 Hz
Transmission band	≥ 300 ÷ 5000 Hz
Main power supply	230 V +/- 10%
Emergency power supply	2 x 12 V (50/55 Ah) AGM
Power consumption (in stand by mode)	on average 3 W
Power consumption during charging	max. 150 W
Number of alarms with emergency power supply	up to 20 x 1-minute alarms (24 h after main power outage)
Working time with emergency power supply (in stand by mode)	up to 30 days
Operating temperature	SLOTTED LOUDSPEAKER: from -30°C to +70°C CONTROL BLOCK: from 0°C to +50°C
Dimensions/ weight	SLOTTED LOUDSPEAKER: ø510 x 420 mm/ 3 kg CONTROL BLOCK: 600 (H) x 600 (L) x 250 (W) mm/ 30 kg (without batteries and additional equipment)
Material	SLOTTED LOUDSPEAKER: aluminium alloy CONTROL BLOCK: metal housing, 2 locks
Protection grade	Ip66
Warranty	24 months (battery: 12 months)

