TECHNICAL DATASHEET
SIREN2.0
MODEL NUMBER: **SA119A0—00—E00A SIREN2.0**

GENERAL

Siren is an audible and visual alarm indication device to announce an alarm condition within the monitored area, the type of the events the siren is triggered from can be defined from within the cloud or the siren can be triggered manually by an operator

Operating temperature range	-40°C to +60°C -40°F to +140°F
IP rating	X7 (waterproof)
Weight (including battery)	580g 1,28 lb
Dimensions	85x120x140mm 3.34x4.72x5.5 in
Colour	NATO Green (RAL6014)

SHORT-RANGE RADIO

Short-range 2.4GHz radio is used for two-way communication between the Siren and other devices.

Standard	IEEE 802.11.4
Bandwidth	2 MHz
Data rate	250 kbps
Modulation	QPSK
Antenna	omnidirectional
EIRP	12 dBm
Security	ECC (secp160r1)
Authentication & encryption	AES 128
Max LOS distance	500 m
Mesh network (multi hop data transmission)	mesh

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INDICATION DEVICES

Indication devices are used to announce the alarm condition.

Siren output	Max 108 dBA measured at distance of 1 m on axis
Siren tone options	Fixed
Tone frequency	Siren control logic
Beacon lens colour	Red
Beacon control logic	Fixed, directional

BATTERY

Siren is powered by 1 rechargeable Lithium-ion (Li-Ion) batteries.

Voltage	3.7V
Capacity	10.2 Ah
Lifetime	>400 days standby/ 200h constant alarm (using 1 battery)
Time to recharge	7-12 hours (depending on charge type)
Auxiliary solar panel	optional

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