



SIREN

Model number: **SA10YP-00-A500**  
Siren is an audible and visual alarm indication device to announce an alarm condition within the monitored area.

SHORT-RANGE RADIO

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

|  |   |
|--|---|
| Standard:                                  | IEEE 802.15.4                           |
| Bandwidth:                                 | <b>2 MHz</b>                            |
| Data rate:                                 | 250 kbps                                |
| Modulation:                                | QPSK                                    |
| Antenna:                                   | omnidirectional                         |
| EIRP:                                      | <b>12 dBm</b>                           |
| Security:                                  | Elliptic Curve Cryptography (secp160r1) |
| Authentication & encryption:               | AES 128                                 |
| Max LOS distance:                          | 500m                                    |
| Mesh network (multihop data transmission): | mesh                                    |

INDICATION DEVICES

Indication devices are used to announce the alarm condition

|                      |  |
|----------------------|--|
| Siren output:        | Max <b>102 dBA</b> measured at distance of 1m on axis. |
| Siren tone options:  | Sweep or steady  |
| Tone frequency       | Siren control logic                                    |
| Beacon lens colour   | Amber  |
| Beacon control logic | Flashing (1s on 1s off)                                |

BATTERY

Bridge is powered by 1-4 rechargeable Lithium-ion (Li-Ion) batteries.

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

