

 *multitone*

EkoSecure™



EkoSecure

Wide area staff security system

Technical specification

External Connections (hub)

- 2 x serial port: 300 – 9600 band
Port A: ESPA input/output
TAP input/output
Port B: TAP input
ESPA input
- 2 x Ethernet



- Dimensions: 86mm w x 76mm h x 22mm d excluding clip
- Colour: Cool grey
- Weight: 103g
- RF Performance:
Frequency: 2405-2480MHz/ 863-870MHz dual band
RF output: 10mW/25mW
Radio coding: OQPSK DSSS IEEE 802.15.4/GFSK
Channel spacing: 5MHz/100kHz
- IP Rating: IP67
- Operating time: up to 24h on full charge
- Battery life: 2 years from date of purchase under normal operating conditions

EkoSecure repeater

- Power Supply: 230V 5A
- Power Back-up: 2 x D-Type Alkaline cells
- Back-up time: up to 3 months of continual use
- RF Performance:
Frequency: 2405-2480MHz/ 863-870MHz dual band
RF output: 10mW/25mW
Radio coding: OQPSK DSSS IEEE 802.15.4/GFSK
Channel spacing: 5MHz/100kHz
Channel Operation: fixed or channel hopping/AFA (Adaptive Frequency Agility)
- Repeater spacing:
Min: 15m
Max: 70m
- Maximum repeater chain: 10 repeaters in one chain
- Max devices per system: 50 devices
- Dimensions: 180mm h x 130mm w x 100mm d
- IP Rating: IP66
- Mounting: wall mount using 4 screws (optional mounting lugs available)

EkoSecure Pager

- Power Supply: single 1.5V AAA NiMH rechargeable (not removable)
- Charging Time: 8hr provides 24hr operation
- Display: dot matrix, variable colour providing 6 rows of 25 characters (configurable)
- Alarm Functions: Emergency button, snatch cord, dead-man and man-down alarms



Synchronised Ethernet Repeater

- Power supply: Power over Ethernet via PoE injector (not included)
- Battery backup: 2 x AA NiMH batteries providing 2hrs use
- Dimensions: 160 w x 130 d X 45 h
- Colour: white
- RF Performance:
 - Frequency: 2405-2480MHz
 - Output power: 10mW
 - Radio coding: OQPSK DSSS 802.15.4
- Autonomous Operation: retains sub-network operation without link to hub



Charger

- Input Supply: 12Vd.c. 5.0A
- Output: 3.3Vd.c.
- Charging Capacity: 4 Pagers
- Charging Time: 8hrs provides 24h operation
- Dimensions: 395mm w x 54mm d x 48mm h
- Mounting: Wall mount or desk use
- Weight: 295g

Charger Power supply

- Input Supply: 230V 50Hz
- Output: 12Vd.c. 5.0A



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