



**SHERLO**  
**TRONICS**

Product Brochure

[www.sherlotronics.co.za](http://www.sherlotronics.co.za)

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Established in 1993, situated in Johannesburg, South Africa, Sherlotronics has specialised in Radio Frequency licence-free remote control systems for the Security Industry. Sherlotronics is a leading manufacturer who strives to maintain a high level of build quality in our designs. We believe in constantly evolving and improving our products to keep ahead of the trends, and stay focused on the niche market that we are servicing.

We manufacture all our products in South Africa, from the board assembly to the plastic injection moulding of all our housings. We have trained our staff in all aspects of the company and are proud to be a local South African electronic product manufacturer.

We warranty all our products with a 24 Month manufactures warranty, and ensure that we design and manufacture our products with reliable electronic devices and components. We source all our components from the East so lead times and availability is critical, as such we have adopted a philosophy and practice of buying our stock 8-12 months ahead of the time and in some cases we carry over 2 years worth of stock holding. This

ensures we can deliver on time and in the fastest possible time frame without freight delays.

Our Products are renowned for their quality and reliability and have been proven in the market place for many years. We endeavour to provide backup and support for all our products.

We offer a wide range of expertise under one roof from PCB Design, software development and a state of the art manufacturing line.

We are constantly making improvements to all our product lines and strive to keep up to date with the latest technology on the market. This focus on constant improvement has enabled us to remain as highly competitive as possible so that we remain the preferred brand.

## Section 1

# Transmitters



# Keyring Remotes

## Applications

- Gate & Garage Door Access Control
- Panic Activations
- Arming/Disarming Alarm systems
- Switching On/Off lights
- Switching On/Off Generators

## Features

- Code-Hopping Encryption
- Crystal controller +/- 100KHz
- 12V Alkaline battery: 23A
- Typically 2 years battery life or 10,000 activations
- Rubber-like buttons are easy to press and click positively

## Certifications

- EN300-220 Nov 1997
- SABS ETSI EN301-489-1:2001
- SABS IEC 60950:1999
- ICASA: TA-2006/759

Description	Order Code
1 Button Remote 403MHz	TX1
1 Button Remote 433MHz	TX1_433
2 Button Remote 403MHz	TX2
2 Button Remote 433MHz	TX2_433
4 Button Remote 403MHz	TX4
4 Button Remote 433MHz	TX4_433
6 Button Remote 403MHz	TX6
6 Button Remote 433MHz	TX6_433
6 Button Remote Icon 403MHz	TX6_ICON
6 Button Remote Icon 433MHz	TX6_ICON433



## Specifications

- Encryption: Code-Hopping
- Range: 500m (Open air)
- Frequency: 403MHz
- Voltage Range: 10V to 13V DC
- Current draw: 32mA
- Dimensions (lxbxh): 70 x 37 x 18mm
- Gross Weight: 31 grams
- Operating Temp: -3°C to 65°C
- Warranty: 24 Months

# Panic Remote

Easy to press, splash proof, durable, long-range remote control for panic systems.

## Applications

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- Frail care facilities nurse call
- Panic activation for shop keepers
- Response officer panic button
- Home panic button

## Features

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- Big button designed for elderly & frail people
- Moisture proof design
- Unique antenna design incorporating the pendant chain to increase range by 50%
- 12V battery operation (23A Alkaline battery)
- LED flashes when there is a low battery condition

Description	Order Code
1 Button Pendant 403MHz	PTX1
1 Button Pendant 433MHz	PTX1_433
Wall Mount bracket White	WM_WHITE
Wall Mount bracket black	WM_BLACK



## Certifications

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- ETSI EN300 220-V2.4.1
- ETSI EN301-489-3 V1.4.1
- ETSI EN301-489-1 V1.9.2
- IEC 60950-1:2005 + A1:2009
- EN 55022:2010; EN 55024:2010
- EN 6100-3-2:2006+A1:2009 + A2:2009
- EN 6100-3-3:2008; IEC 60950-1:2005 + A1:2009
- ICASA: TA-2017/2237

## Specifications

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- Encryption: Code-Hopping
- Range: 500m (Open air)
- Frequency: 403MHz / 433MHz
- Voltage Range: 10V to 13V DC
- Current draw: 32mA
- Dimensions (lxbxh): 70 x 37 x 18mm
- Gross Weight: 31 grams
- Operating Temp: -3°C to 65°C
- Warranty: 24 Months

## Applications

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- Under counter Panic button
- Nursing home Panic button
- Bathroom Panic button
- Shower Panic button
- Door release button
- Door bell button

## Features

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- Code-Hopping Encryption
- Audible Piezo output
- Weather-proof / Splash-proof housing
- 3V Long-Life Lithium battery
- 20,000 Activations
- Frequency stability controlled +/- 75KHz

## Certifications

---

- ETSI EN300 220-V2.4.1
- ETSI EN301-489-3 V1.4.1
- ETSI EN301-489-1 V1.9.2
- IEC 60950-1:2005 + A1:2009
- ICASA: TA-2014/2621



## Specifications

---

- Encryption: Code-Hopping
- Range: 100m (Open air)
- Frequency: 403MHz / 433MHz
- Voltage Range: 2.2V to 4.5V DC
- Current on TX: +/-14mA
- Sleep mode: +/-400nano A
- Dimensions: (lxbxh) 71 x 31 x 28mm
- Gross Weight: 74 grams
- Operating Temp: -3°C to 65°C
- Warranty: 24 Months

Description	Order Code
1 Ch Wall Mount 403MHz	WMTX
1 Ch Wall Mount 433MHz	WMTX_433

# Elegant Design Wall Mount Transmitter

**Wireless indoor wall mount Remote.  
Our most elegant design.**

## Applications

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- Home Panic
- Gate & Garage Door opener
- Under counter Panic button
- Nursing home Panic button
- Door release button

## Features

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- Code-Hopping Encryption
- 3V CR2032 Lithium battery
- 10,000 Activations
- Frequency stability controlled +/- 75KHz

## Certifications

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- ETSI EN300 220-V2.4.1
- ETSI EN301-489-3 V1.4.1
- ETSI EN301-489-1 V1.9.2
- IEC 60950-1:2005 + A1:2009
- ICASA: TA-2018/1011



## Specifications

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- Encryption: Code-Hopping
- Range: 40m (Indoors)
- Frequency: 403MHz / 433MHz
- Voltage Range: 3VDC
- Current draw: +/- 1uA 10%
- Dimensions(Lxbxh): 95 x 70 x 16mm
- Gross Weight: 150grams
- Operating Temp: -3°C to 65°C
- Warranty: 24 Months

Description	Order Code
Elegant Transmitter 403MHz	ELEGANT_TX
Elegant Transmitter 433MHz	ELEGANT_TX433

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# Wireless Access Control Keypad



The Sherlo Wireless Keypad is designed for Secure access control of buildings, properties, gate/garage entrances, internal doors, striker locks and even arming/disarming alarm panels. The unit can be programmed with up to 9 RF Channels to control different receivers. You can very easily program the keypad on a PC in Notepad so that you don't have to waste time manually programming the keypad. This can then be very easily & reliably saved onto the Keypad using a microSD card. The keypad is battery powered, but has a 12V DC wired input connector.

## Applications

- Gate access control
- Garage door access control
- Striker lock access control
- Internal door mag-lock access control
- Arming / Disarming Alarms
- Wireless Doorbell

## Features

- Wireless Code hopping 403 / 433MHz
- 1000 unique Pin code from 1-10 digit
- Backing up the unit with a microSD card
- Wrong code lock out function
- Holiday mode
- 9 Channel RF outputs
- 1 Door bell RF output
- Waterproof housing

Description	Order Code
Keypad unit (wireless RF)	KEYPAD
AA Alkaline battery 1.5V	AA
Brushed Stainless Steel	RAIN_
Rain Shield	SHIELD



\*Rain Shield Sold Separately

## Specifications

- Frequency set able: 403MHz / 433MHz
- Battery supply voltage: 2 x AA Alkaline batteries (voltage range: 2.4V - 3.3V)
- External power input: 10V-14V DC input
- Wireless range: 30m indoors
- Operating temperature: -3°C to +65°C
- Operating humidity: 0 - 90%
- Outputs: 9 Channels + 1 Doorbell output
- Housing material: ABS Black
- Rating: IP55
- Battery life: 2-3 years dependant on Usage
- Usage life: 60 000 activations
- Code length: 1 - 10 digits
- Memory capacity: 1000 unique codes

## Certifications

- ETSI EN300 220-V2.4.1
- ETSI EN301-489-3 V1.4.1
- ETSI EN301-489-1 V1.9.2
- IEC 60950:1999

# Fixed Mount Transmitter - Indoor

## The Single Channel Wireless Stand Alone Transmitter.

### Applications

- Transmission of Alarm signals
- Linking Electric Fence outputs to Alarms
- Switching On / Off Pumps on farms
- Industrial Machinery Control
- Wireless control of Generators

### Features

- Code-Hopping Encryption 403 / 433MHz
- 1-Channel outputs
- 12V DC
- Positive / Negative trigger
- Normally open or Normally closed inputs
- LED indication when the unit is triggered

### Certifications

- ETSI EN300 220-V2.4.1
- ETSI EN301-489-3 V1.4.1
- ETSI EN301-489-1 V1.9.2
- IEC 60950-1:2005 + A1:2009
- ICASA: TA-2017/1755

Description	Order Code
1 Ch Box Transmitter Unit	S1



### Specifications

- Encryption: Code-Hopping
- Range: 500m (Open air)
- Frequency set able: 403MHz / 433MHz
- Voltage Range: 9.8V to 16V DC
- Current on TX: +/-30mA
- Sleep mode: +/-9mA
- Dimensions: (lxbxh) 187 x 104 x 67mm
- Gross Weight: 50 grams
- Operating Temp: -3°C to 65°C
- Warranty: 24 Months

# Fixed Mount Transmitter - Outdoor



## Applications

- Transmission of Alarm signals
- Linking Electric Fence outputs to Alarms
- Switching On / Off Pumps on farms
- Industrial Machinery Control
- Wireless control of Generators

## Features

- Code-Hopping Encryption 403 / 433MHz
- 4-Channel telemetry outputs
- Normally open or Normally closed trigger inputs
- LED indication when a channel is triggered
- Crystal frequency stability controlled +/- 100KHz
- 1 or 3 transmit signals can be selected
- All inputs are supervised
- On/Off software functionality

## Certifications

- ETSI EN300 220-V2.4.1
- ETSI EN301-489-3 V1.4.1
- ETSI EN301-489-1 V1.9.2
- IEC 60950-1:2005 + A1:2009
- ICASA: TA-2017/1572



## Specifications

- Encryption: Code-Hopping
- Range: 1500m (Open air)
- Frequency set able: 403MHz / 433MHz
- Voltage Range: 9.8V to 16V DC
- Current on TX: >90mA
- Sleep mode: >10mA
- Dimensions(lxbxh): 187 x 104 x 67mm
- Gross Weight: 235 grams
- Operating Temp: -3°C to 65°C
- Warranty: 24 Months

Description	Order Code
4 Ch Transmitter	S4

# Passive iR Transmitter Module

**Designed to fit into most PIR motion detectors. Easy solution to creating wireless zones.**

## Applications

- Transmission of battery powered PIR's
- Transmission of magnetic door contacts
- Emergency break glass boxes
- Roller shutter door contacts

## Features

- Alarm and Tamper transmit outputs (2 Channels) Powered by 2 x AA Alkaline batteries
- Battery life under normal conditions 3 years or 150 000 triggers
- Selectable options for:-  
120 sec Sleep mode on/off  
Normally Open or Normally Closed

## Certifications

- ETSI EN300 220-V2.4.1
- ETSI EN301-489-3 V1.4.1
- ETSI EN301-489-1 V1.9.2
- IEC 60950-1:2005 + A1:2009
- ICASA: TA-2017/1845

Description	Order Code
PIR Transmitter 403MHz	PIR_TX
PIR Transmitter 433MHz	PIR_TX_433



\*Image for illustration purposes only  
PIR not included; Batteries not included

## Specifications

- Encryption: Code-Hopping
- Range: 500m (Open air)
- Frequency: 403MHz / 433MHz
- Voltage Range: 2.2V to 4.5V DC
- Current on TX: +/-14mA
- Sleep mode: +/-400nano A
- Dimensions: (lxbxh) 71 x 31 x 28mm
- Gross Weight: 74 grams
- Operating Temp: -3°C to 65°C
- Warranty: 24 Months.

# Wireless Gate Alarm Transmitter



**The most cost effective wireless solution to protecting your gate or garage door from attack.**

## Applications

- Alarm monitoring of gates
- Alarm monitoring of garage doors
- Alarm monitoring of shed doors
- Alarm monitoring of emergency exits
- Alarm monitoring of roller shutter doors

## Features

- Code-hopping Encryption 403 / 433MHz
- Weather proof plastic housing IP55
- Battery Powered by AA batteries or 12VDC
- Trigger all the time or Bypass on a valid opening
- 3 Minute Alarm if the gate is left open
- Tamper output

## Certifications

- EN300-220 Nov 1997
- ETSI EN301-489-1:2001
- IEC 60950:1999
- ICASA: TA-2018/351



## Specifications

- Encryption: Code-Hopping
- Range: 100m (Open air)
- Frequency set able: 403MHz / 433MHz
- Voltage Range: 3VDC or 12VDC
- Current draw: +/- 1uA 10%
- Dimensions(Lxbxh): 124 x 80 x 30mm
- Gross Weight: 210grams
- Operating Temp: -3°C to 65°C
- Warranty: 24 Months

Description	Order Code
Gate Alarm Transmitter	GATE_ALARM



# Receivers

# 1, 2 & 3 Channel Receivers



## Applications

- Gate & Garage Door Access Control
- Panic Activations
- Arming/Disarming Alarm systems
- Switching On/Off lights
- Switching On/Off Generators

## Features

- Code-Hopping Encryption
- Latch or Momentary
- Selectable Momentary times:
  - 1 Sec; 3Sec; 1min; 3min
- Buzzer tone
- Crystal Controlled +/- 100KHz
- Frequencies: 403MHz/433MHz
- 12 - 24V AC/DC input

## Certifications

- ETSI EN300 220-V2.4.1
- IEC 60950-1:2005 + A1:2009
- ETSI EN301-489-3 V1.4.1
- ETSI EN301-489-1 V1.9.2
- ICASA TA-2017/1846 - RX1-150
- ICASA TA-2017/1845 - RX2-150
- ICASA TA-2017/1755 - RX3-150



## Specifications

- Encryption: Code-Hopping
- Range: 150m (Open air)
- Frequency: 403MHz
- Memory Capacity:-
  - RX1-150 80 Remotes
  - RX2-150 40 Remotes
  - RX3-150 32 Remotes
- Voltage Range: 9.8V to 26V AC/DC
- Current draw: 15mA
- Dimensions (lxbxh):
  - 68 x 45 x 23mm - RX1-150
  - 80 x 60 x 23mm - RX2-150 / RX3-150
- Weight RX1-150: 50grams
- Weight RX2-150: 75grams
- Weight RX3-150: 85grams
- Operating Temp: -5°C to 60°C
- Warranty: 24 Months

Description	Order Code
1 Channel Receiver 403MHz	RX1-150
1 Channel Receiver 433MHz	RX1-150_433
2 Channel Receiver 403MHz	RX2-150
2 Channel Receiver 433MHz	RX2-150_433
3 Channel Receiver 403MHz	RX3-150
3 Channel Receiver 433MHz	RX3-150_433

# Complex Gate Receiver

## Applications

The Complex Receiver Version 3 model is specifically designed to be installed onto motorised gate entrances of town-house complexes, residential estates, office parks, small businesses, golf estates schools or even boomed off residential areas.

The Complex Receiver has easy to understand menu's for learning in or deleting remotes & setting the time & date. The unit is also password protected so that unauthorised persons cannot learn in or delete out remotes. A microSD card can be inserted into the unit to make a backup of the remotes and download the events log. If the microSD card is left in the unit, the unit will detect that the card is present and write all events when they occur onto the microSD card. Over a million events can be written to the microSD card which means that you will have full records of all events logged.

## Features

- 2 Channel relay output
- Code-Hopping encryption
- 8000 remotes can be learnt
- Real time & date clock event
- 2000 event time & date internal
- microSD card compatible FAT32
- Backing up via microSD card
- Installing via microSD card
- Software application available
- USB 2.0 coms port compatible
- Password protected
- Backward compatible to VER2



## Specifications

- Encryption: Code-Hopping
- Range: 100m (Open air)
- Frequency: 403MHz / 433MHz
- Memory Capacity: 4000 per Channel
- Event logging: 2000 events eProm
- microSD 4GB: >1 million
- Voltage Range: 10V to 14V DC
- Current draw: 11mA @ 12V
- Dimensions (lxbxh): 115 x 82 x 31mm
- Gross Weight packed: 230 grams
- Operating Temp: -5°C to 60°C
- Warranty: 24 Months

## Certifications

- ETSI EN300 220-V2.4.1
- ETSI EN301-489-3 V1.4.1
- ETSI EN301-489-1 V1.9.2
- IEC 60950-1:2005 + A1:2009

Description	Order Code
Complex RX 403MHz	COMPLEX_RX_V3
Complex RX 433MHz	COMPLEX_RX_V3_433

# Long Range Outdoor Receiver - 500m



**Class-leading, high performance long range receivers for wireless security applications.**

## Applications

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- Gate & Garage Door Access Control
- Panic Activations
- Arming / Disarming Alarm systems
- Switching On/Off lights
- Switching On/Off Generators

## Features

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- Code hopping Encryption
- Latch or Momentary
- Selectable Momentary times
- 1 Sec; 3Sec; 1min; 3min; ON/OFF
- Buzzer tone
- Crystal Controlled +/- 100KHz
- Frequencies: 403MHz / 433MHz
- 12 - 24V AC/DC input
- Weatherproof housing

Description	Order Code
1 Ch Receiver 403MHz	RX1-500
1 Ch Receiver 433MHz	RX1-500_433
4 Ch Receiver 403MHz	RX4-500
4 Ch Receiver 433MHz	RX4-500_433
Data Receiver 403MHz	ASKDRX
Data Receiver 433MHz	ASKDRX_433



## Certifications

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- ETSI EN300 220-V2.4.1
- ETSI EN301-489-3 V1.4.1
- ETSI EN301-489-1 V1.9.2
- IEC 60950-1:2005 + A1:2009
- ICASA TA-2017/2237 - RX1-500/RX4-500

## Specifications

---

- Encryption: Code-hopping
- Range: 500m (Open air)
- Frequency: 403MHz / 433MHz
- Memory Capacity:-
  - RX1-500 80 Remotes
  - RX4-500 64 Remotes
- Voltage Range: 10V to 26V AC/DC
- Current draw: 20mA
- Dimensions (lxbxh): 187 x 104 x 67mm
- Gross Weight: 235 grams
- Operating Temp: -3°C to 60°C
- Warranty: 24 Months

# Repeater - 800

**Boost signals around large sites effectively.**

## Applications

- Transmission of Alarm signals
- Linking Electric Fence outputs to Alarms
- Switching On/Off Pumps on farms
- Industrial Machinery Control
- Wireless control of Generators

## Features

- Code-Hopping Encryption
- Auto Learning of signals to memory
- 4000 memory locations
- Auto Masking of repeated signals
- AC Fail RF Signal Output
- Random signal staggering

## Certifications

- ETSI EN 301 489-3 V2.1.1
- ETSI EN 301 489-1 V2.1.1
- ETSI EN 300 220-1 V 3.1.1;  
ETSI EN 300 220-2 V 3.1.1
- EN 60950-1: 2006 + A11: 2009 + A1: 2010 +  
A12: 2011 + A2 2013
- TA-2017/2655

Description	Order Code
Repeater unit 403MHz	RPT800
Repeater unit 433MHz	RPT800_433



- Line of sight: 800m
- Built-up: 300m
- Indoors: 75m



- Line of sight: 500m
- Built-up: 300m
- Indoors: 75m

## Specifications

- Encryption: Code-Hopping
- Transmit - Range: 800m (Open air)
- Receiver - Range: 500m (Open air)
- eProm Memory: 4000 codes
- Frequency: 403MHz / 433MHz
- Voltage Range: 9.8V to 16V DC
- Current on TX: >60mA
- Sleep mode: >10mA
- Dimensions (lxbxh): 187 x 104 x 67mm
- Gross Weight: 235 grams
- Operating Temp: -3°C to 60°C
- Warranty: 24 Months

## Section 2

# Panic Systems



# Mimic Base 4000

## Applications

- Shopping Centre Panic System
- Retirement Village Alarm Monitoring
- Housing Estate Alarm Monitoring
- Office Park Alarm Monitoring
- Resort Alarm Monitoring

## Features

- Memory Capacity of 2000 Remotes
- microSD card for backing up
- USB 2.0
- 40 Character custom text programmable
- SMS Input & Output commands for programming remotes via an SMS
- Internal Buzzer notification
- RS 485 Data receiver BUS
- Monitoring Software GUI with Reporting.
- User codes & full event logging of all actions
- Keeps time & date for several days if de-powered

## Certifications

- IEC 60950-1:2005 + A1:2009 + A2: 2013

Description	Order Code
Mimic Base 4000	MB4000
Data Receiver	ASKDRX
GSM Modem	GSM



## Specifications

- Encryption: Code-Hopping
- Transmit - Range: 800m (Open air)
- Receiver - Range: 500m (Open air)
- eProm Memory: 4000 codes
- Frequencies: 403MHz / 433MHz
- Voltage Range: 9.8V to 16V DC
- Current on TX: >60mA
- Sleep mode: >10mA
- Dimensions (lxbxh): 165 x 122 x 37mm
- Gross Weight: 235 grams
- Operating Temp: -3°C to 65°C
- Warranty: 24 Months

# GSM Module for MB4000



## Applications

- The GSM module is designed to be used exclusively with the MB4000 Wireless Mimic base unit.
- The GSM unit dials out pre defined SMS messages programmed in the MB4000 unit. Messages can be up to 40 Characters long and are normally the address of each Panic Remote which is pre-programmed into the MB4000.
- The MB4000 can be programmed to message two unique cellular numbers per remote zone and up to 32 Master numbers can be programmed in.
- The unit requires a standard SIM card without the Pin number enabled.

## Features

- Quad-Band 805/900/1800/1900MHz
- GPRS multi-slot class 10/8
- Compliant to GSM phase 2/2+
- Class 4 (2W @ 850/900MHz)
- Class 1 (1W @ 1800/1900MHz)
- GPRS mobile station class B
- Control Via AT Commands
- Low power consumption

Description	Order Code
GSM/GPRS SMS Communicator Module for MB4000	GSM
Vertical 4 Band GSM Aerial	GSM_ANT



## Specifications

- Model: GSM
- Category: Wireless Modem
- Transmission frequency: GSM 850/900/1800/1900MHz
- Transmission method: GMSK
- ITU Emission Code: 200kGXW
- Voltage range: 12V to 15 VDC
- Sleep mode current consumption: < = 40mA / 0.49W
- Current consumption on TX: < = 2A Peak
- Operating Temperature: -7°C to 49°C
- Dimension (lxbxh): 150x 70 x 45mm
- Gross weight: 105g

# Fixed Panic Panel

## Applications

- Office panic
- Shop panic
- Home panic
- Factory panic
- Guard house panic

## Features

- Microprocessor Controlled charging output.
- Low battery switch off at 10V DC.
- Buzzer tones on battery low and AC Fail
- Resettable Fuse protection on output.
- Fuse protection on AC input.
- ABS Plastic enclosure.

Designed to be wired to a static hardwired panic button as well as work with Remote panic buttons. When a Panic is activated the unit will trigger the 3 Minute siren output as well as the Radio output & a Latching Strobe output. All activations can be reset via either the Remote control or the Hardwired Panic button. Our Low battery cutout @ 10V DC will safeguard the battery from deep discharge.

Description	Order Code
Fixed Panic Panel 403MHz	FPP
Fixed Panic Panel 403MHz	FPP_433
1 Button Remote 403MHz	PTX1
1 Button Remote 433MHz	PTX1_433



\*Remote sold separately  
\*Kit for illustration purposes only

## Certifications

- EN 55022:2010; EN 55024:2010
- EN 6100-3-2:2006+A1:2009 + A2:2009
- EN 6100-3-3:2008; IEC 60950-1:2005 + A1:2009
- ICASA - TA-2017/2237

## Specifications

- Input Voltage Range: 110V ~ 230V AC 50Hz
- Output Voltage: 13V ~ 14.4V Adjustable
- Max Current output: 3.2A DC @ 14V
- Relay contact rating: 10A
- AC Fail output rating: 140mA Positive switching
- Operating temp: -3°C to 60°C
- Dimensions (lxbxh): 200 x 180 x 87mm
- Gross Weight: 0.895Kg
- Warranty: 12 Months



## Applications

- Hospital nurse call bed point
- Frail care nurse call

## Features

- Code-Hopping Encryption
- Audible Piezo output
- Retransmits every 30sec if not reset
- AA Battery powered or 12VDC
- 150,000 Activations on set of AA batteries
- Wall mountable or Flush mountable

Description	Order Code
Nursecall Station	NURSECALL
Nursecall Transmitter	NURSECALL_TX
Overhead Door light	DOORLIGHT
Thumbswitch 1.8m	THUMBSWITCH

## Certifications

- ETSI EN300 220-V2.4.1
- ETSI EN301-489-3 V1.4.1
- ETSI EN301-489-1 V1.9.2
- IEC 60950-1:2005 + A1:2009
- ICASA: TA-2017/3310

## Specifications

- Encryption: Code-Hopping
- Range: 50m (Indoors)
- Frequency: 433MHz
- Voltage Range: 3V or 12VDC
- Current on TX: +/-10mA
- Sleep mode: +/-400nano A
- Operating Temp: -3°C to 65°C
- Warranty: 24 Months



Section 3

# Power Supplies

# 3.2A Battery Backup Power-Supply

## Applications

- Alarm panel Battery backup
- CCTV Battery backup
- Backup power supply for door controller.
- Maglock for an Access Control solution

## Features

- Microprocessor Controlled charging output.
- Low battery switch off at 10V DC.
- Buzzer tones on battery low and AC Fail.
- Resettable Fuse protection on output.
- Fuse protection on AC input.
- ABS Plastic enclosure.

## Certifications

- EN 55022:2010; EN 55024:2010
- EN 6100-3-2:2006+A1:2009 + A2:2009
- EN 6100-3-3:2008; IEC 60950-1:2005 + A1:2009

## Description

## Order Code

3.2 AMP Power-Supply SA Plug	3.2AMP
3.2 AMP Power-Supply UK Plug	3.2AMP_UK



## Specifications

- Input Voltage Range: 110V ~ 230V AC 50Hz
- Output Voltage: 13V ~ 14.4V Adjustable
- Max Current output: 3.2A DC / 40Watts
- Relay contact rating: 10A
- AC Fail output rating: 140mA Positive switching
- Operating temp: -3°C to 60°C
- Dimensions (lxbxh): 200 x 180 x 87mm
- Gross Weight: 0.895Kg
- Warranty: 12 Months

# 6.4A Battery Backup Power-Supply

## Applications

- Alarm panel Battery backup
- CCTV Battery backup
- Backup power supply for door controller.
- Maglock for an Access Control solution

## Features

- Microprocessor Controlled charging output.
- Low battery switch off at 10V DC.
- Buzzer tones on battery low and AC Fail.
- Resettable Fuse protection on output.
- Fuse protection on AC input.
- ABS Plastic enclosure.

## Certifications

- EN 55022:2010; EN 55024:2010
- EN 6100-3-2:2006+A1:2009 + A2:2009
- EN 6100-3-3:2008; IEC 60950-1:2005 + A1:2009

Description	Order Code
6.4 AMP Power-Supply SA Plug	6.4AMP
6.4 AMP Power-Supply UK Plug	6.4AMP_UK



## Specifications

- Input Voltage Range: 110V ~ 230V AC 50Hz
- Output Voltage: 13V ~ 14.4V Adjustable
- Max Current output: 6.4A DC / 70Watts
- Relay contact rating: 10A
- AC Fail output rating: 140mA Positive switching
- Operating temp: -3°C to 60°C
- Dimensions (lxbxh): 275 x 225 x 97mm
- Gross Weight: 1.13kg
- Warranty: 24 Months

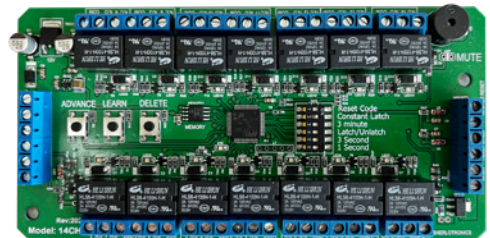
# Section 4

# Accessories

## 14-Channel Relay Decoder

### 14-Channel Relay Decoder

14 x 1A Relay outputs, 64 x Remotes per Channel, 1sec, 3sec, Latching, 3Min, Constant Latch programmable relays, Hardwired Reset Siren output, LED Outputs with 1k Resistors onboard. The unit works with a Data Receiver  
 Order Code: 14CHR



Description	Order Code
14 Ch Relay Decoder	14CHR

# Relay Boards

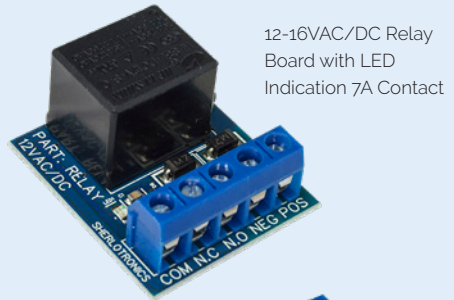
## Applications

- Converting Normally Closed contact to Normally Open
- Isolating electric fence energiser outputs to sensitive transmitter inputs
- Switching heavy current like sirens or strobe lights
- Switching high voltages like 240VAC lights

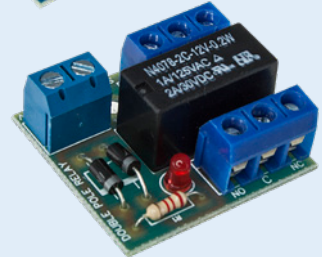
## Features

- Full bridge rectification so you can use AC/DC
- LED indication
- Normally Open
- Normally Closed
- Potentially Free Common contact

Description	Order Code
12-16VAC/DC Relay Board with LED Indication 7A Contact	RELAY
12V DC Double Pole Relay Board	DOUBLERELAY



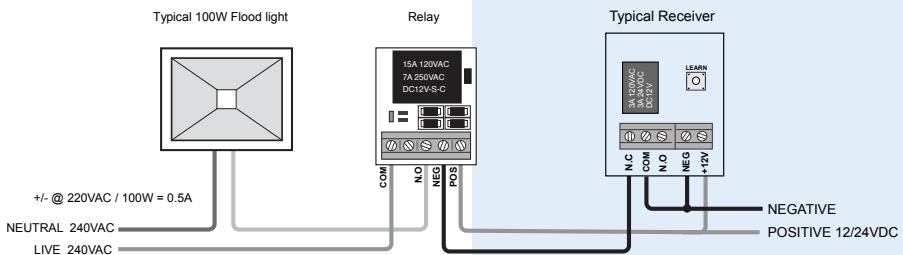
12-16VAC/DC Relay Board with LED Indication 7A Contact



12V DC Double Pole Relay Board

## Specifications

- Input Voltage Range: 10V ~ 16V AC/DC
- Switching Current DC: 10A @ 30VDC
- Switching Current AC: 7A @ 250VAC
- Operating temp: -3°C to 60°C
- Dimensions (lxbxh): 35 x 30 x 16 mm
- Gross Weight: 17g
- Warranty: 24 Months



## Applications

- The TIMER can be programmed with 10 different functions.
- Module can be used for customising siren output times, beam bypass, guard awake and auto gate & garage door closure applications.
- A variety of applications and functions are visualised for this product and with a bit of imagination the unit will solve various security installation issues.

## Features

- Timed Relay output from 1 second to 59 minutes & 59 seconds
- Timed Relay output from 1 Minute to 23 hours
- Auto garage door closure
- Guard awake timer
- Pulse stretcher
- Counter
- Count down trigger output
- False alarm prevention
- Momentary to Latching

Description	Order Code
Multifunction Timer Module	TIMER



## Specifications

- Power input range: 10V ~ 14V DC
- Functions: 1 second to 59 minute timer output
- 1 minute to 24 hours timer output
- Auto door closure
- Guard awake timer
- Pulse stretcher
- Counter
- Count down trigger output
- False alarm prevention
- Momentary to latching
- 1 second to 59 minute timer re-triggable
- Trigger Input: Positive / Negative
- Reset Input: Normally Open potentially free
- Relay output Load @ 12V DC: 1AMP
- Dimensions: 52 X 65mm (PCB)

# Batteries

## 12V 18AH Battery

Description	Order Code
12V 18AH Battery	18A/H

## 12V 7.2AH Battery

Description	Order Code
12V 7.2AH Battery	7A/H

## 1.5V AA Battery

Description	Order Code
1.5V AA Battery	AA

## 12V 23A Battery

Description	Order Code
12V 23A Battery	GP23A

## 3V Lithium Battery

Description	Order Code
3V Lithium Battery 620mA	CR2450
3V Lithium Battery 225mA	CR2032





TX1 Replacement Casing  
Order Code: CASE\_TX1



TX2 Replacement Casing  
Order Code: CASE\_TX2



TX4 Replacement Casing  
Order Code: CASE\_TX4



TX6 Replacement Casing  
Order Code: CASE\_TX6



PTX1 Replacement Casing  
Order Code: CASE\_PTX1



WMTX Replacement Casing  
Order Code: CASE\_WMTX



Keypad Replacement Casing  
Order Code: CASE\_KEYPAD



MB4000 Replacement Casing  
Order Code: CASE\_MB4000



RX1 Replacement Casing  
Order Code: CASE\_RX1



RX1 Replacement Casing  
Order Code: CASE\_RX2



6.4A Replacement Casing  
Order Code: CASE\_6.4PSU



3.2A Replacement Casing  
Order Code: CASE\_3.2PSU



RX500 Replacement Casing  
Order Code: CASE\_RX500



6.4A Replacement Tray  
Order Code: CASE\_6.4PCBTRAY



3.2A Replacement Tray  
Order Code: CASE\_3.2PCBTRAY



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