

QwikSwitch[®]

Industrial/Commercial Catalogue



Wireless Monitoring & Control
Realise immediate savings and ROI with our
wireless monitoring and control solutions.

www.qwikswitch.co.za



Monitor



Control



Schedule



Prioritise



Manage



Harvest

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Please consult our domestic catalogue, all devices automatically function with commercial/industrial devices.

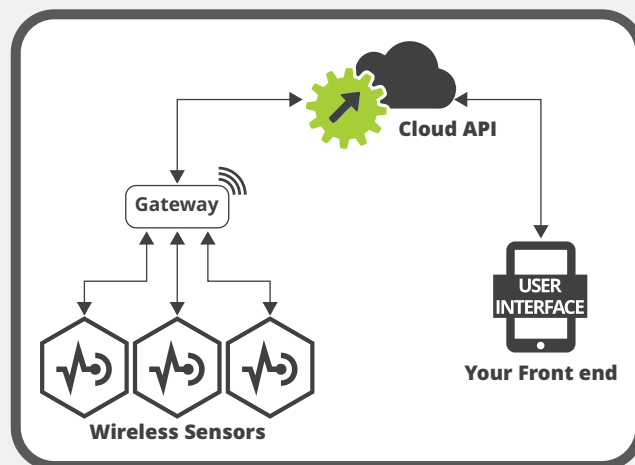
Company Overview

QwikSwitch focuses on wireless and IoT products, with offerings spanning wireless control, customer feedback and retail analytics.

QwikSwitch is based in Cape Town, with representation in Johannesburg and serves clients on a national basis.

QwikSwitch benefits from IP ownership and designs, develops and manufactures it's own products. QwikSwitch is well-positioned in the market from a cost and delivery perspective and utilising the local skills and knowledge. QwikSwitch is uniquely positioned for a full service product offering and delivery.

QwikSwitch is your full stack IoT partner, not only do we create platforms for scalable IoT devices around the globe, we make use of standard API systems integration.



No reason to lose time and reinvent the wheel, it's easier to leverage off our existing software and hardware modules.

Our local based design and production facility provide quick turnkey and cost effective solutions.



Industrial 4 Input Transmitter

Product Code: QS-T-IND4

Features

- Receive email alerts when the door/window/safe/liquor cabinet/alarm panel output etc. is opened or closed;
- monitor the status;
- simple DIY installation;
- input can be linked to QwikSwitch receivers;
- can be connected to just about anything that opens or closes;
- this device works in conjunction with the QwikSwitch Gateway;
- magnetic contacts (QS-MAG) can be added to this solution.

Specifications

- Input supply - 1 x CR2032 Battery (Up to 2 year battery life);
- 4 channel;
- form Factor - Enclosed casing - 55mm (L) x 43mm (W) x 13mm (H);
- radio frequency - 868 Mhz;
- range - 30m through walls and floors, 100m line of site.



Repeater

Product Code: QS-T-REP-BOX

Features

- Extending QwikSwitch device ranges;
- max of 4 repeaters per site.

Specifications

Please consult a QwikSwitch Representative if this product is needed

- Form factor - enclosed housing - 90mm (h) x 130mm (W) x 160mm (L);
- radio frequency - 868MHz;
- range - 30m through walls and floors, 100m line of sight.



Corner Mount PIR

Product Code: QS-PIR-CNRBAT

Use a passive infrared sensor to make heat maps or detect presence.

Features

- Great for stairwells, garage, kitchens & bathrooms;
- internal light level sensor enables unit to work when there is not enough ambient light to save power; (5 light settings);
- time delay settings available: 30 sec, 1min, 5min, 10min, 20min and 30min;
- use our API and use this product for a multitude of applications.

Specifications

- Input supply - 2 x AAA Batteries (Up to 2 years battery life);
- form Factor - Enclosed casing - 95mm (L) x 70mm (W) x 50mm (H) - IP55;
- horizontal beam spread - 110 degrees (10m);
- vertical beam spread from an installation height of 2.1m - 10m - Internal light level sensor;
- radio Frequency - 868 Mhz;
- range - 30m through walls and floors, 100m line of sight.



CT Transmitter

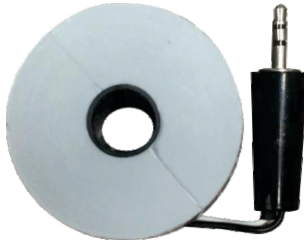
Product Code: QS-CT-IN3

Features

- This unit should not be considered for use in billing applications.
- This product is intended for use in conjunction with the QwikSwitch Gateway for monitoring and management;
- accuracy: 1% depending on resolution of CT chosen.
- measures AC only: single and 3-phase;
- checks in every 15 minutes (can be set to 1 minute on request);
- works with current monitor clamps: QS-CT-5A, QS-CT-70-CLAMP and QS-CT-100-CLAMP.

Specifications

- Indoor unit (IP54);
- powered by 2x AAA batteries (supplied);
- form factor: 120mm (L) x 60mm (W) x 20mm (H);
- radio frequency: 868mHz;
- distance: 30m through walls and doors; 100m line-of-sight.



5A CT Coil - Current reducer

Product Code: QS-CT-5A

Features

- Use reducer if you would like to use your own current transformer (CT);
 - 0 - 5A resolution;
 - Works with CT Transmitter (QS-CT-IN3).
- Note:** Please consult your QwikSwitch Rep if making use of this item.

Specifications

- Form factor - enclosed casing 37mm (w) x 37mm (L) x 20mm (h);
- Inside diameter of core: 10mm;
- reduce large current clamp eg 2000:5 ratio.



1 - 70A Split Core Current Clamp

Product Code: QS-CT-70-CLAMP

Features

- Measure 0 - 70A;
- split core current monitor;
- no downtime during installation;
- works with CT Transmitter (QS-CT-IN3).

Specifications

- Form Factor - Moulded casing - 32mm (L) x 20mm (W) x 57mm (H);
- inside core diameter: 13mm.



5-100A Split Core Current Clamp

Product Code: QS-CT-100-CLAMP

Features

- Measure 0 - 100A;
- split core current monitor;
- no downtime during installation;
- works with CT Transmitter (QS-CT-IN3).

Specifications

- Form Factor - Moulded casing - 50mm (L) x 35mm (W) x 50mm (H);
- inside core diameter: 17mm.



Geysers Controller incl. Current monitor

Product Code: QS-R-GCONCT

Features

- Used for Residential, Commercial and Industrial applications.
- This device is controllable from the QwikSwitch Gateway: Set schedules, Turn on / off devices, Device Status;
- switch your geysers On/Off using the actual temperature of the water;
- idle the geysers when not in use - takes less time to heat up & draws less power;
- monitor & track the power consumption of your geysers for a baseline.

Specifications

- Input supply - 220Vac, 50Hz;
- output - 220 Vac, 50Hz;
- load - 5Kw Resistive load (30A) or 1 Kw Inductive load (Motor) 1.5hp;
- form factor - enclosed housing - 90mm (h) x 130mm (W) x 160mm (L);
- IP52;
- temperature setting range: 10 - 60 degrees;
- radio frequency - 868MHz;
- range - 30m through walls and floors, 100m line of sight.



Geysers Controller

Product Code: QS-R-GCON

Features

- Used for Residential, Commercial and Industrial applications.
- This device is controllable from the QwikSwitch Gateway: Set schedules, Turn on / off devices, Device Status;
- switch your geysers On/Off using the actual temperature of the water;
- idle the geysers when not in use - takes less time to heat up & draws less power.

Specifications

- Input supply - 220Vac, 50Hz;
- output - 220 Vac, 50Hz;
- load - 5Kw Resistive load (30A) or 1 Kw Inductive load (Motor) 1.5hp;
- form factor - enclosed housing - 90mm (h) x 130mm (W) x 160mm (L);
- IP52;
- temperature setting range: 10 - 60 degrees;
- radio frequency - 868MHz;
- range - 30m through walls and floors, 100m line of sight.

Internal Temperature Sensor

Product Code: QS-TEMP-INT



Features

- Maximum and minimum temperature thresholds can be set for email alerting;
- unit will check-in every 15 minutes (Other options available).
- This product is intended for use in conjunction with the QwikSwitch gateway for monitoring;
- view graphing on web portal;
- view heat map to work out trends;
- daily PDF reports emailed to 5 people;
- defrost cycles taken into account;
- time filters for day of week & time of alerts;
- alert history;
- Digital chip - no calibration needed.

Specifications

- Input supply - 2 x AAA batteries (supplied);
- form factor - 105mm (L) x 65mm (W) x 20mm (H);
- min temperature: -20°C / max temperature: +90°C;
- radio frequency: 868MHz;
- distance: 30m through walls and floors; 100m line-of-sight;
- transmit windows: 1 minute or 15 minutes (default is set to 15 minutes).

External Temperature Sensor

Product Code: QS-TEMP-EXT



Features

- Maximum and minimum temperature thresholds can be set for email alerting;
- unit will check-in every 15 minutes (Other options available).
- This product is intended for use in conjunction with the QwikSwitch gateway for monitoring;
- view graphing on web portal;
- view heat map to work out trends;
- daily PDF reports emailed to 5 people;
- defrost cycles taken into account;
- time filters for day of week & time of alerts;
- alert history;
- Digital chip - no calibration needed.

Specifications

- Input supply - 2 x AAA batteries (supplied);
- form factor - 105mm (L) x 65mm (W) x 20mm (H);
- probe cable length: 1m (longer or shorter probe lengths can be discussed if needed);
- min temperature: -20°C / max temperature: +90°C
- radio frequency: 868MHz;
- distance: 30m through walls and doors; 100m line-of-sight;
- transmit windows: 1 minute or 15 minutes (default is set to 15 minutes).

Humidity and Temperature Sensor

Product Code: QS-TEMP+HUMID



Features

- Please note: not for use in freezers;
- unit will check in every 15 minutes.
- This product is intended for use in conjunction with the QwikSwitch gateway for monitoring;
- view graphing on web portal;
- view heat map to work out trends;
- daily PDF reports emailed to 5 people;
- time filters for day of week & time of alerts;
- alert history;
- Digital chip - no calibration needed.

Specifications

- Input supply - 2 x AAA batteries (supplied);
- form factor - 105mm (L) x 65mm (W) x 20mm (H);
- humidity: RH 0% - 98% / Temperature: +5°C to +50°C
- radio frequency: 868MHz;
- distance: 30m through brick walls & floors, 100m line of sight;
- transmits windows: 15 minutes.

Hotel Card Switch Transmitter - Designer

Product Code: QS-HCS-TXSA



Features

- Designed to your specification;
- retrofit to any room, regardless of how it is wired;
- freely locate the Hotel Card Switch, Battery powered - means no wiring;
- locally designed and manufactured - support is readily available;
- custom design of the Hotel Card Switch available, giving it your own style;
- holds standard key cards.

Specifications

- Input supply - 1 x CR2032 Battery - included (Up to 2 year battery life);
- form Factor - Moulded casing - 88mm (w) x 138mm (L) x 17mm (H);
- radio frequency - 868 Mhz;
- range - 30m through walls and floors, 100m line of site.

Hotel Card Switch Transmitter - Standard

Product Code: QS-HCS-TX



Features

- Retrofit to any room, regardless of how it is wired;
- freely locate the Hotel Card Switch, Battery powered - means no wiring;
- locally designed and manufactured - support is readily available;
- holds standard key cards.

Specifications

- Input supply - 1 x CR2032 Battery - included (Up to 2 year battery life);
- form Factor - Moulded casing - 80mm (h) x 126mm (L) x 17mm (w);
- radio frequency - 868 Mhz;
- range - 30m through walls and floors, 100m line of site.

Door/Window Transmitter

Product Code: QS-MAG-SENSA



Features

- Switch aircon off if windows /doors are open;
- LED battery low indicator;
- no rewiring of hotel rooms required;
- 3 input device eg: 2 x Windows & 1 x Door

Specifications

- Input supply - CR2032 battery - included (Up to 2 year battery life);
- 1 x QS-MAG supplied;
- form factor - enclosed casing 43mm (w) x 55mm (L) x 13mm (h);
- radio Frequency - 868 MHz;
- range - 30m through walls and floors, 100m line of sight.

Magnetic Contact (white or brown)

Product Code: QS-MAG



Features

- Works in conjunction with our Magnetic Switch Transmitter (QS-MAG-SENSA);
- works in conjunction with our Industrial 4 Input Transmitter (QS-T-IND4).

Specifications

- Type: NC (Normally Closed);
- form factor - enclosed casing 15mm (w) x 50mm (L) x 12mm (h);
- 2 Part: 1 x Switch - 1 x Magnet.

30A Relay - Din Mount Product Code: QS-R-S30-SPECD



Features

- Used for Residential, Commercial and Industrial applications;
- used to switch any load ON or OFF;
- ability to be set as a pulse output (0.2sec/0.4sec/0.6sec/0.8sec/1sec/2sec/5sec);
- this device is controllable from the QwikSwitch gateway remotely:
 - set schedules;
 - turn on / off devices;
 - device Status.

Specifications

- Input supply - 220Vac, 50Hz;
- output - 220 Vac, 50Hz;
- load - 5Kw Resistive load (30A) or 1 Kw Inductive load (Motor) 1.5hp;
- form factor - enclosed housing - 90mm (h) x 130mm (W) x 160mm (L);
- IP52;
- radio frequency - 868MHz;
- range - 30m through walls and floors, 100m line of sight.

30A - Boxed with Current sensor Product Code: QS-R-S30CT



Features

- Used for Residential, Commercial and Industrial applications;
- used to switch any load ON or OFF;
- ability to be set as a pulse output (0.2sec/0.4sec/0.6sec/0.8sec/1sec/2sec/5sec);
- this device is controllable from the QwikSwitch gateway remotely:
 - Set schedules;
 - Turn on / off devices;
 - Device Status.
- Monitor & track your power consumption using the onboard current monitor to understand the baseline.

Specifications

- Input supply - 220Vac, 50Hz;
- output - 220 Vac, 50Hz;
- load - 5Kw Resistive load (30A) or 1 Kw Inductive load (Motor) 1.5hp;
- form factor - enclosed housing - 90mm (h) x 130mm (W) x 160mm (L);
- IP52;
- radio frequency - 868MHz;
- range - 30m through walls and floors, 100m line of sight.



12v/24v LED PWM Dimmer (Max 3A)

Product Code: QS-R-LED12PWM / QS-R-LED24PWM

Features

- Dimming of LED strip lights;
- this device is controllable from the QwikSwitch gateway remotely:
 - set schedules;
 - dim devices;
 - device Status.

Specifications

- Input supply - 12V/24V DC;
- output: 12V/24V DC (3A Max.);
- form Factor - Moulded casing - 40mm (w) x 75mm (L) x 25mm (H);
- radio frequency - 868 Mhz;
- range - 30m through walls and floors, 100m line of site.



12V/24V LED PMD Driver (Connects to QS-LED-PM-10A)

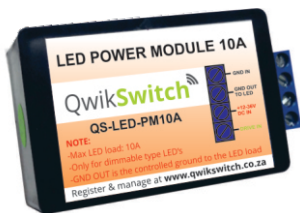
Product Code: QS-R-LEDPMD-12 / QS-R-LEDPMD-24

Features

- Dimming of LED strip lights;
- this device is controllable from the QwikSwitch gateway remotely:
 - set schedules;
 - dim devices;
 - device Status.
- Ability to connect multiple 10A LED Power Modules (QS-LED-PM10A).

Specifications

- Input supply - 12V/24V DC;
- output: 12V/24V DC;
- form Factor - Moulded casing - 40mm (w) x 75mm (L) x 25mm (H);
- radio frequency - 868 Mhz;
- range - 30m through walls and floors, 100m line of site.



LED Power Module (Max 10A Load) (Must be used with QS-R-LEDPMD-12 / QS-R-LEDPMD-24)

Product Code: QS-LED-PM10A

Features

- Only for dimmable type LED's;
- use when one LED dimmer needs to control large LED loads.

Specifications

- Input supply - 12V/24V DC;
- output: 12V/24V DC (10A max.);
- form Factor - Moulded casing - 40mm (w) x 75mm (L) x 25mm (H);



2G/3G/4G Industrial Gateway

Product Code: QS-GSM-IND

Features

The Gateway is the heart of the system. It uploads all data to the server for reporting and must be permanently powered.

- 2G , 3G, or 4G options available.

Specifications

- Input supply: 5V DC via USB connection (power supply included);
- form Factor - Moulded casing - 115mm (w) x 115mm (L) x 30mm (H);
- radio frequency - 868 Mhz;
- range - 30m through walls and floors, 100m line of site.



USB MODEM

Product Code: QS-MDM-USB

Features

The QSUSB server listens on port 2020. It uses a http REST based protocol and most commands can be tested in the address bar of a standard web browser (Chrome or FireFox recommended). Your application can be written in HTML/CSS/Javascript and placed in the www folder, which acts as a simple web server. You can also write an app in any other language (c,vb.net etc) and just make http calls to QSUSB server to communicate with QwikSwitch devices.

Specifications

- Input supply: 5V DC via USB connection;
- form Factor - Moulded Casing 60mm (L) x 65mm (W) x 40mm (H);
- radio Frequency: 868Mhz;
- communications Protocol: QwikSwitch;
- range - 30m through walls and floors, 100m line of site.



WiFi

Product Code: QS-WIFI-IND

Features

- It connects to your existing WiFi router;
- remotely control your devices from anywhere;
- schedule your QwikSwitch devices.

Specifications

- Input supply: 5V DC via USB connection (power supply included);
- form Factor - 60mm (L) x 65mm (W) x 20mm (H);
- radio Frequency: 868Mhz;
- communications Protocol: QwikSwitch;
- range - 30m through walls and floors, 100m line of site.



EXTERNAL, FITTED

Product Code: QS-ANT-EXT

Features

- Use if receiver installation is within a metal enclosure;
- standard antenna length is 1m - please contact a QwikSwitch Representative if longer is needed.

Specifications

- 1m external antenna;
- DO NOT make longer or shorter as this will affect the transmissions, please consult a QwikSwitch Representative first.

The QwikSwitch API is a HTTP service that allows users to integrate their sensor data into 3rd party applications. API calls can be made from a programming language of your choice.

Responses are served as either XML (Extensible Markup Language) or JSON (JavaScript Object Notation).

By using QwikSwitch sensors you can create a diverse product/solution offering for your use. Why not switch equipment based on any of the above sensors feedback or rules by using our wireless relays.

Please contact us for more information for projects. If we do not have the sensor you require, lets engineer it for you!

All sensors must be used in conjunction with the QwikSwitch gateway.



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