CLICK smart switch TECHNOLOGY

# Lighting & Energy Efficiency
## **Full Product Range**

Designed, Engineered & Certified to Australian Standards in Australia

# The S-Click™ Smart Living Range

The modular S-Click™ Smart Living range is Australia's largest; with a choice for almost any application.

The entire S-Click™ range is simple to install, easy to use and creates a new, modern look for your home.

The range includes solutions for bedrooms, kitchens, hallways, dining rooms, outdoor living rooms, bathrooms, heat lamps, fans, exhaust fans, spa air pumps, towel rails, laundries, meeting rooms, workspaces, robes, pantries, cellars, garages, garden lighting, water features, security lighting, and charging for smart phones, tablets and portable USB devices.

**Smart Living - Every home deserves the best.**

S CLICK smart switch TECHNOLOGY

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# Push Button Digital Dimmers™ for LED Lighting

HNS610DT

HNS616DT

## Push Button Digital Dimmers™

Part No. HNS610DT (Compatible with HPM and Clipsal Style wall plates)
Part No. HNS616DT (Compatible with Clipsal Saturn and Saturn Zen style wall plates)

### Features

- Designed and Engineered in Australia specifically for dimmable LED lighting
- Suitable for Incandescent, Dichroic 12V, CFL and most Dimmable lights
- Certified to Australian and NZ Standards AS/NZS 3100 & CISPR 15
- Unique ON/OFF switch push button (fit a dimmer to a legacy switch mech)
- Manufactured in Australia
- Patented Ripple tone rejection
- Electronic minimum brightness setting
- Microprocessor controlled linear brightness ramp & shutdown in response to overcurrent, overtemp or overvoltage
- White backlight feature
- Soft Start and Auto Kickstart
- World's lowest standby power – 100mW
- Restarts off in the event of mains power outage
- Long Press – ramps brightness up or down
- Quick Tap – turns lights off or on at last brightness setting

# Rotary Digital Dimmer™ Switch for LED Lighting

HNS620DT

HNS626DT

## Rotary Digital Dimmer™ Switch

Part No. HNS620DT (Compatible with HPM and Clipsal Style wall plates)
Part No. HNS626DT (Compatible with Clipsal Saturn and Saturn Zen style wall plates)

### Features

- Designed and Engineered in Australia specifically for dimming LED lighting
- Suitable for Incandescent, Dichroic 12V, CFL and most Dimmable lights
- Certified to Australian and NZ Standards AS/NZS 3100 & CISPR 15
- Unique ON/OFF switch push button knob (fit a dimmer to a legacy switch mech)
- Manufactured in Australia
- Patented Ripple tone rejection
- Electronic minimum brightness setting
- Microprocessor controlled linear brightness ramp
- Rugged unique rotary encoder prevents knob stem breakage
- Fits all popular plates and comes with 3 knob options included
- Microprocessor controlled shutdown for overcurrent, overtemp or overvoltage
- White backlight feature
- Soft Start and Auto Kickstart
- World's lowest standby power – 100mW
- Restarts off in the event of mains power outage

# Rotary Digital Dimmer™ for LED Lighting

HNS630DT

HNS636DT

## Rotary Digital Dimmer™

Part No. HNS630DT (Compatible with HPM and Clipsal Style wall plates)
Part No. HNS636DT (Compatible with Clipsal Saturn and Saturn Zen style wall plates)

### Features

- Designed and Engineered in Australia specifically for dimming LED lighting
- Suitable for Incandescent, Dichroic 12V, CFL and most Dimmable lights
- Certified to Australian and NZ Standards AS/NZS 3100 & CISPR 15
- Manufactured in Australia
- Patented Ripple tone rejection
- Electronic minimum brightness setting
- Microprocessor controlled linear brightness ramp
- Rugged unique rotary encoder prevents knob stem breakage
- Fits all popular plates and comes with 3 knob options included
- Microprocessor controlled shutdown for overcurrent, overtemp or overvoltage
- White backlight feature
- Soft Start and Auto Kickstart
- World's lowest standby power – 100mW
- Restarts off in the event of mains power outage
- Separate switch required

# Remote Button Dimming

HNS020RB

HNS026RB

## Remote Button S-Click™ Digital Dimmer™

Part No. HNS020RB (Compatible with HPM and Clipsal Style wall plates)
Part No. HNS026RB (Compatible with Clipsal Saturn and Saturn Zen style wall plates)

### Features

- Multi-way dimming and ON/OFF switching for S-Click™ Digital Dimmers™ and S-Click™ S-Premium Digital Dimmers™ that are multi-way dimming capable
- Multi-way ON/OFF switching for S-Click™ 3-Wire Timer range
- Neutral not required for button only operation
- Optional LED Indicator operation requires Neutral
- Quick Tap Turns Dimmer ON or OFF
- Sustained Press alternatively dims UP and DOWN, when used with Dimmer
- Designed for indoor use, not rated for outdoor installation
- Not for Mains Switching
- HNS020RB Only suits S-Click™ HNS610DT and HNS620DT Digital Dimmers™ and the S-Click™ HNS440TM, HNS450TM and HNS460SW 3-Wire Timers
- HNS026RB Only suits S-Click™ HNS610DT and HNS616DT Digital Dimmers™ and suits the above 3-Wire Timers as well as the HNS446TM & HNS456TM
- Push Buttons included to suit respective wall plates
- LED Indicator Colour: White

# Minute Timer 3-Wire

HNS440TM

HNS446TM

## Minute Timer 3-Wire

Part No. HNS440TM (Compatible with HPM and Clipsal Style wall plates)
Part No. HNS446TM (Compatible with Clipsal Saturn and Saturn Zen style wall plates)

### Features

- Supports Timer and Untimed ON modes of operation
- Blue LED indicates device status
- User programmable time-out period
- Programmable in 1 minute increments from 1 to 60 minutes
- When ON - Quick Tap turns power OFF
- Time-out expiry warning given within the last 10 seconds of operation
- Retains setting even after loss of power
- Compatible with a wide range of load types including wire wound transformers and fan motors
- Supports follow-on fan operation (see wiring diagram)
- Multi-way Switching compatible with HNS020RB or HNS026RB Remote Buttons
- Time out set to 30 minutes out of box

# Hour Timer 3-Wire

HNS450TM

HNS456TM

## Hour Timer 3-Wire

Part No. HNS450TM (Compatible with HPM and Clipsal Style wall plates)
Part No. HNS456TM (Compatible with Clipsal Saturn and Saturn Zen style wall plates)

### Features

- Supports Timer and Boost modes of operation
- Amber LED indicates device status
- User programmable time-out period
- Programmable in 1 hour increments from 1 to 24 hours
- When ON - Quick Tap turns power OFF
- Time-out expiry warning given within the last 10 minutes of operation
- Retains setting even after loss of power
- Compatible with a wide range of load types including wire wound transformers and fan motors
- Multi-way Switching compatible with HNS020RB or HNS026RB Remote Buttons
- Time out set to 1 hour out of box

# Electronic Switch 3-Wire

## Electronic Switch 3-Wire

Part No. HNS460SW

### Features

- Soft touch push button ON/ OFF switch
- Blue LED indicates device status
- Returns to OFF after loss of power
- Compatible with a wide range of load types including wire wound transformers and fan motors
- Compatible with HPM and Clipsal Style wall plates
- Multi-way Switching compatible with the S-Click HNS020RB Remote Button

# Booster Relay 3-Wire

## Booster Relay 3-Wire

Part No. HNS010RL

### Features

- Suitable for fans, motors and iron core ballasts
- Can be normally open or normally closed
- Boosts the current capacity of a circuit controlled by an external switching device, such as 3-wire S-Click products HNS440TM, HNS450TM and HNS460SW to 10A
- Compatible with a wide range of popular switch wall plates and accessories
- Cable tie mounting feature, for alternative in-wall installation

# Light Sensitive Motion Detector 3-Wire

## Light Sensitive Motion Detector 3-Wire 230V

Part No. HNS050MD

Australia's first light and motion sensitive PIR detector in a Mech Format.
The HNS050MD is a light sensitive movement detector which triggers S-Click™ timer switches.

### Features

- Light sensitive PIR detector
- Only detects if it is dark (less than 20 lux)
- Starts timer switch when movement is detected within 2m (red LED Flashes)
- Use for work spaces and meeting rooms
- MUST be used with S-Click™ 2-Wire and S-Click™ 3-Wire timer switches HNS410TM, HNS420TM, HNS440TM or HNS450TM

# Continuous Motion Detector 3-Wire

## Continuous Motion Detector 3-Wire 230V

Part No. HNS060MD

The HNS060MD is a movement detector which triggers S-Click™ timer switches.

### Features

- PIR detector
- Continually restarts S-Click™ timer switch every time movement is detected within 2m (red LED flashes) regardless of light level
- Use for bathrooms and laundries
- MUST be used with S-Click™ 3-Wire timer switches HNS440TM or HNS450TM

# Heavy-Duty Timer Switch 3-Wire

## Wall Timer Switch 230V AC 10A

Part No. HNS210TD

### Features

- Push button timer with on/off and on/restart operation options
- Easy DIP switch time delay settings
- Run time selection from 15 seconds to 252 minutes
- Also able to be controlled from a simple remote momentary-action switch
- Back module can click onto popular Australian (Clipsal & HPM) style one gang wall plate
- Both Clipsal & HPM style push buttons are provided for a perfect fit

# Advanced Heavy-Duty Timer Switch 3-Wire

## Advanced Wall Timer Switch 230V AC 10A

Part No. HNS220TD

The HNS220TD Advanced Wall Timer is a flexible, high current, feature rich timer switch that can be used in two modes, as a timer switch and as a restart timer switch. The HNS220TD Advanced Wall Timer is specifically designed for high power applications like motors, fans and pumps for pools and spas, and is an improved direct replacement for the Clipsal 2031VETR3 and the 31VETR3 as it can switch 8A of motor load and can also operate as a restart timer.

### Features

- Push button timer with ON/OFF and ON/RESTART operations
  – Quick tap turns power ON/ OFF, or
  – Sustained 2 seconds press restart the timer
- Adjustable Timer Range from 10 seconds to 15 hours
- Configurable blue LED indicator
  – Indicator ON or OFF when power ON, or
  – Indicator ON or OFF when power OFF
- Configurable Switch Mode
  – Power ON during timing (NO - Normally Open), or
  – Power OFF during timing (NC - Normally Closed)
- Suitable for a wide range of load types, including motor loads up to 8A
- Compatible with HPM and Clipsal style wall plates with push buttons provided for a perfect fit
- Very low 80mW standby power
- Remote switch compatible
- Timer set to 30 minutes out of box

# Minute Timer 2-Wire

HNS410TM

HNS416TM

## Minute Timer 2-Wire 240V 1.7A

Part No. HNS410TM (Compatible with HPM and Clipsal Style wall plates)
Part No. HNS416TM (Compatible with Clipsal Saturn and Saturn Zen style wall plates)

### Features

- Supports Timer and untimed ON modes of operation
- Blue LED indicates device status
- User programmable time-out period
- Programmable in 1 minute increments from 1 to 60 minutes
- When ON - Quick tap turns power off
- Quick LED flashing within 10 seconds of time out provides expiry warning
- Retains setting even after loss of power
- Remote switch compatible
- Time set to 30 minutes out of box
- Minimum load: 10VA

# Hour Timer 2-Wire

HNS420TM

HNS426TM

## Hour Timer 2-Wire 240V 1.7A

Part No. HNS420TM (Compatible with HPM and Clipsal Style wall plates)
Part No. HNS426TM (Compatible with Clipsal Saturn and Saturn Zen style wall plates)

### Features

- 2-in-1 light switch that automatically turns off after a programmed time
- Supports Timer and Boost modes of operation
- Amber LED indicates device status
- User programmable time-out period
- Programmable in 1 hour increments from 1 to 24 hours
- When ON - Quick tap turns power off
- Quick LED flashing within 10 minutes of time out provides expiry warning
- Retains setting even after loss of power
- Remote switch compatible
- Time set to 1 hour out of box

# Electronic Switch 2-Wire

## Electronic On Off Switch 2-Wire 240V 1.7A

Part No. HNS430SW

### Features

- Electronic ON/OFF light switch with LED indicator
- Quick tap turn ON - quick tap turn OFF
- Can be retrofitted to most installed lights
- Soft Touch Push button ON/OFF switch
- Blue LED indicates device status
- Returns to OFF after power failure
- Compatible with HPM and Clipsal style wall plates

# Routine Timer

HNS710RT

HNS716RT

## 2-Wire Routine Timer™

Part No. HNS710RT (Compatible with HPM and Clipsal style wall plates)
Part No. HNS716RT (Compatible with Clipsal Saturn and Saturn Zen style wall plates)

### Features

- 2-in-1 light switch that automatically turns off after a programmed time
- Supports Timer and Boost modes of operation
- Amber LED indicates device status
- User programmable time-out period
- Programmable in 1 hour increments from 1 to 24 hours
- When ON - Quick tap turns power off
- Quick LED flashing within 10 minutes of time out provides expiry warning
- Retains setting even after loss of power
- Remote switch compatible
- Time set to 1 hour out of box

# 5W USB Charger 3-Wire

## 5W USB Charger 3Wire 5.2V 1A

Part No. HNS070UC

### Features

- Suits Apple™, Samsung™ and all other smartphones, tablet brands or portable USB devices
- Fit up to six (6) USB Chargers in 1 wall plate
- Charge your tablet overnight
- High efficiency, only 50mW standby power
- Requires Neutral
- Compensates for cable loses
- Suits a wide range Australian wall plates including Clipsal 2000 Series™, C2000TM, Saturn™ Data, Slimline® Clipsal Standard, HPM Excel and Excel Life - bezels included

# Multiway Dimming and Switching Over Standard Wiring

## Dual Switching Dimmer Kit

Part No. HNS610DSDK

### HNS020RB - Remote Button Features

- Tap On/Off
- Hold to Dim up and down
- Double Tap - Timed Dimming
- Multiple HNS020RB allowed

### HNS610DT - Push Button Digital Dimmer™ Features

- Digital Dimmer™ and ON/OFF switch in one - perfect for dimmable LED
- Multi-way Dimming and ON/OFF using S-Click™ HNS020RB Remote Button
- Wider range - Deep Dimming to Zero on most lamps
- Improved patented ripple tone rejection
- More Rugged – Improved Over Current, Voltage & Temperature protection
- Programmable minimum brightness and linear dimming response
- Retains settings after power loss
- Suits both HPM and Clipsal wall plates
- NOT SUITABLE FOR FANS AND MOTORS

# Bathroom Timer Kits

**S-Click™ Bathroom Timer Kits** are convenient timer kits designed to be used with popular combination bathroom heater units which contain lights, fans and heaters.

The kits allow the lights, fan and heater lamps to be programmed individually by the user. Time out settings can be programmed from 1 to 30 minutes in 1 minute intervals and is set to 30 minutes out of the box. The timer units retain settings even after power loss.

## Features

- No more leaving power on accidentally
- Light, fan & heat time out can be switched on/off, timed and programmed individually
- QUICK TAP – turns power and timer on
- OVERRIDE TIME OUT: Sustained 2 Sec Press turns power on with no time out
- Simple user push button timer programming
- Retains setting even after power loss
- LED light status indicator
- Labelled wall plate included
- Requires Neutral Line

## 3 in 1 Bathroom Timer Kit – 1200W

Part No. HNS443BK

- Kit contains labelled face plate, buttons and 3 x HNS440TM timers for light, fan and heaters control

## 4 in 1 Bathroom Timer Kit – 2400W

Part No. HNS444BK

- Kit contains labelled face plate, buttons and 4 x HNS440TM timers for light, fan and heaters control

Part No. HNS443BK

Part No. HNS444BK

# Put Switches Anywhere
# No Wires - No Worries!

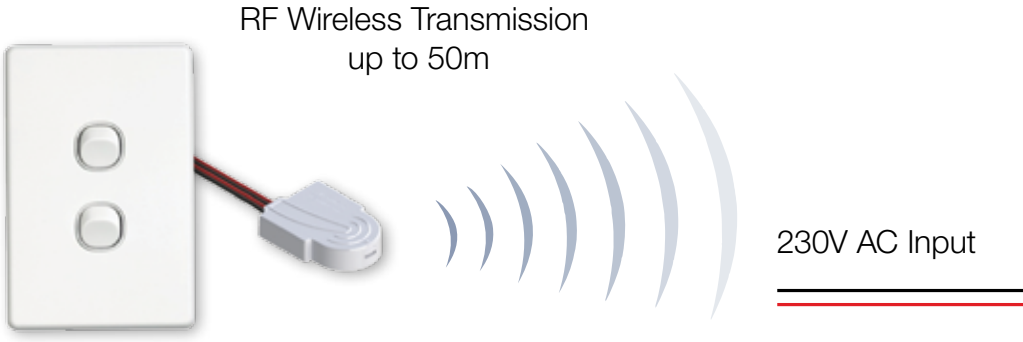
## Radio Switch Kit

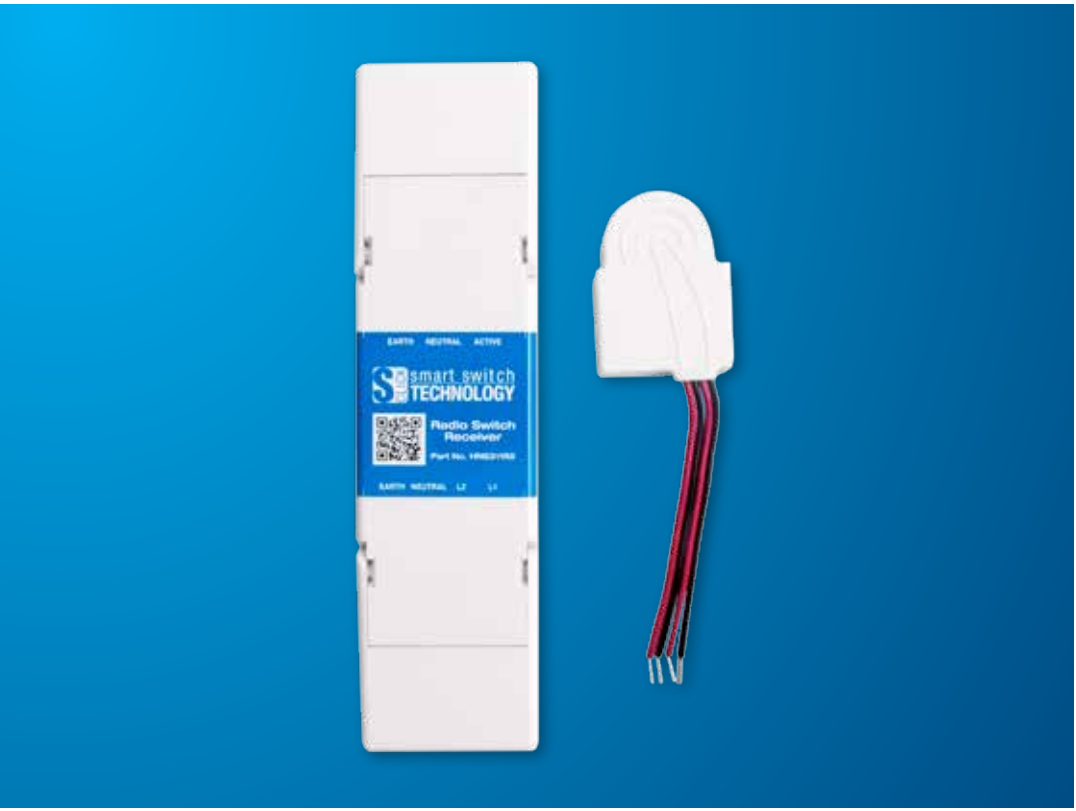
Part No. HNS310RK

The S-Click™ Radio Switch Kit is a Transmitter/Receiver Kit containing a Transmitter (HNS312TR) and a Receiver (HNS311RX) The 2 Channel battery powered transmitter controls the 2 load outputs on the Receiver via RF (Radio Frequency) signals. The transmitter inputs are connected to any type of on/off switches, typically a standard single gang or dual gang wall switch.

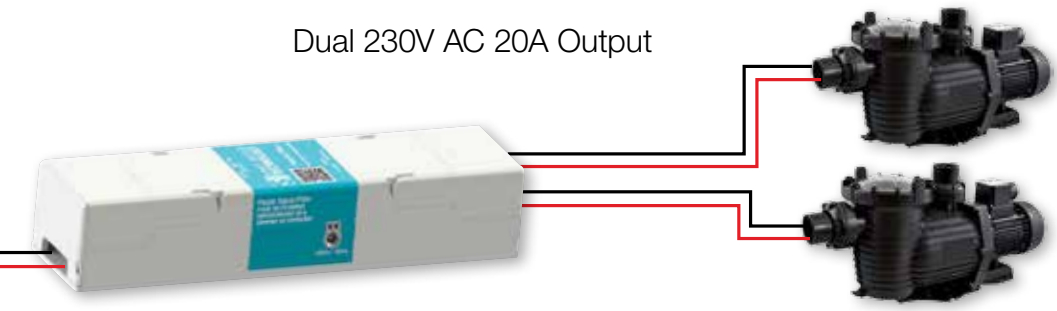
### Features

- Suitable for Domestic, Commercial and Industrial Applications
- Saves having to run switch wires in awkward locations
- Pre-programmed for easy installation
- Reduce trenching
- Reconfigurable – re-pair transmitters and receivers at any time – on site
- Saves time and is reliable
- Move the switch location at anytime with out re-paring or re-wiring
- 2 Channel - control 2x 20A loads independently
- Range up to 50m line of sight, 30m in standard domestic, commercial or industrial environments
- Can be configured for Multiway operation – dual switching (requires an additional HNS312TR - Radio Switch Transmitter)






Dual 230V AC 20A Output



# Radio Switch Transmitter

## Radio Switch Transmitter

Part No. HNS312TR

- New transmitter for the radio switch kit (HNS310RK) Using two of these transmitters enables dual switching when using the HNS310RK
- Wireless Transmitter Unit controlling up to 2 outputs of a Base Receiver Unit
- Can be configured for Multiway operation – dual switching
- Battery Powered Transmitter Unit (CR2032 Lithium Battery, supplied)
- Range up to 50m line of sight, 30m in most applications
- Transmitter inputs connected to any type of on/off switch
- Typical configurations - Single Gang Wall Switch, Dual Gang Wall Switch
- Compatible with all standard electrical switches
- Put switches anywhere with no wiring needed
- User replaceable CR2032 battery provides 5 year battery life

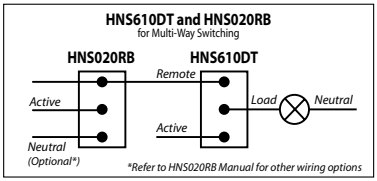
# Routine Timer™ Towel Rail Kit (2-Wire)

## Routine Timer™ Towel Rail Kit (2-Wire)

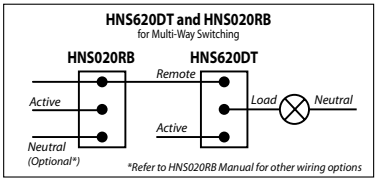
Part No. HNS710RT-KIT

- Ideal for towel rails in your bathroom
- Adapts to your routine with a single sustained 2 second button press
- Automatically turns the power on every day at pre-determined times, then automatically turns off
- Duration times can be pre-set from 1 to 6 hours (factory default 1 hour)
- Holiday mode - suspends routine timer operation to save power, resume routine times with quick tap
- Can be manually operated with a quick tap for turning power on or off at any time
- Can have up to 8 pre-determined routine times per day
- Internal clock accurate to less than 5 seconds a month
- Internal battery retains routine times even after power loss - over 24 hours
- Designed, Engineered and Manufactured in Australia

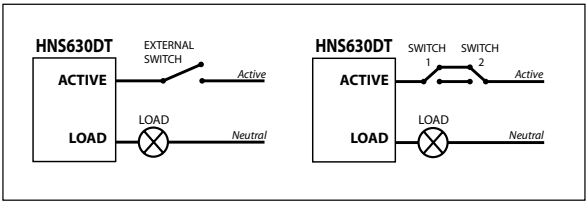
# Wiring Instructions



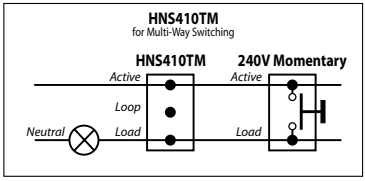

**HNS610DT - Push Button Digital Dimmer 2-Wire 240V 350W**
(Applicable to HNS616DT)



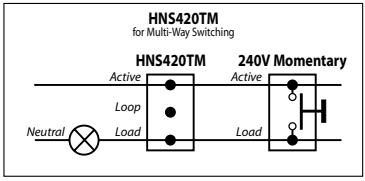

**HNS620DT - Rotary Digital Dimmer Switch 2-Wire 240V 350W**
(Applicable to HNS626DT)



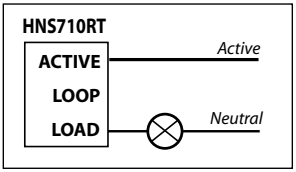

**HNS630DT - Rotary Digital Dimmer 2-Wire 240V 350W**
(Applicable to HNS636DT)



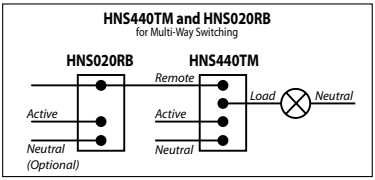

**HNS410TM - Minute Timer 2-Wire 240V 1.7A**
(Applicable to HNS416TM)

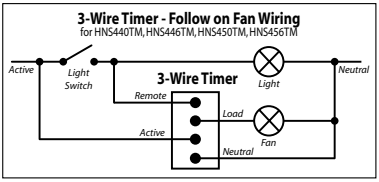



**HNS420TM - Hour Timer 2-Wire 240V 1.7A**
(Applicable to HNS426TM)

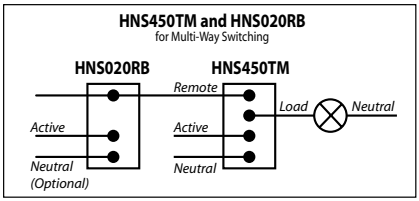



## HNS710RT - Routine Timer
(Applicable to HNS716RT)

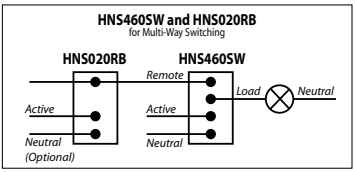


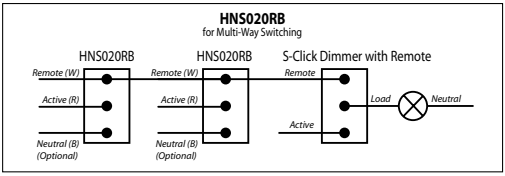

## HNS440TM - Minute Timer 3-Wire 240V 5A
(Applicable to HNS446TM)




## HNS450TM - Hour Timer 3-Wire 240V 5A
(Applicable to HNS456TM)




## HNS460SW - Electronic ON/OFF Switch 3-Wire 240V 5A




## HNS020RB - Remote Button
(Applicable to HNS026RB)

# Sunset Switch Weatherproof 16A IP66 with Real Time Mode

## 16A Sunset Switch with Real Time Mode

Part No. HSC110SS

The Sunset Switch is used to switch outdoors lights (or indoors light when applicable) off when they are not required in daylight.
In its most basic form, the unit senses outdoors light level and switches a relay on and off, thus turning the lights wired to it on or off. Traditionally the lights would turn on during sunset, therefore it is commonly known as a Sunset Switch.

### Features

- 4 in 1 patented design
- Easy mode and timer programming using internal DIP switches
- Can be programmed to turn off at a fixed time every day - Real Time mode
- Industry compatible form factor suitable for retrofitting to HPM base
- IP rated product for worry free outdoor installations
- Max rated load 3840W (incandescent and PCB)
- 15 minute step timer range, up to 15.75 hours (or day break)
- All required parts are supplied including glands and DIP switch tool
- Higher power relay - fewer units are needed to control more lights
- Turn ON/OFF delay stops inadvertent switches
- Designed, engineered and certified to Australian Standards in Australia

# Technical Specifications

## Operating Conditions

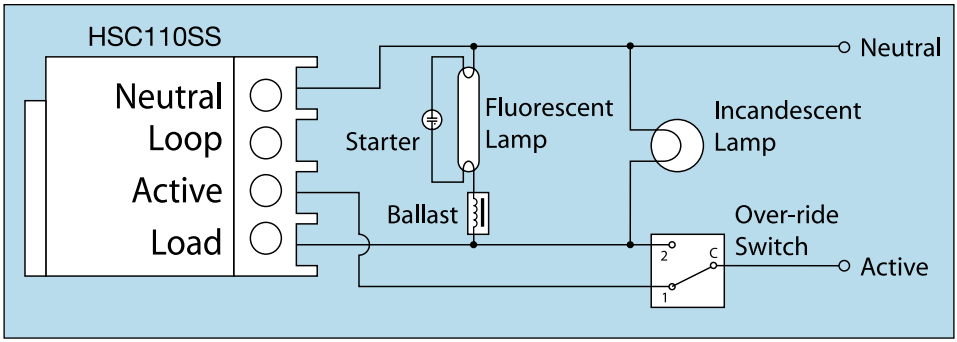
- Operating Voltage: 220 – 240V a.c. 50Hz
- Operating Temperature: 0 to +50 °C
- Certified Standard: CISPR15, AS/NZS 61347.2.11
- Ingress Protection: IP66 (When all used and unused entries sealed)
- Maximum Load: 3840W Incandescent & Halogen, 3840VA fluorescent
- Minimum Load: 0W
- Maximum Current capacity: 16A
- Light Levels: ON - 25lux, OFF - 50lux
- Turn ON/OFF Delay: 1 Minute
- Timer Steps: 30 Minutes
- Delay Timer Range: 30 Minutes - 15.5 Hours

Note: Not suitable to be driven by DC-AC inverter.

## Operating Modes

| Mode 1 | Mode 2 | Mode 3 | Mode 4 |
|---|---|---|---|
| Standard | Timer | ECO | Real Time |

## HSC110SS Example Wiring Diagram



# Flicker Free Dimming with Ripple Signal Filters!

## Ripple Signal Filter

Part No. HNS030RF-750 (750Hz)

Part No. HNS030RF-1050 (1050Hz)

The S-Click™ Ripple Signal Filter is a tuned passive inline filter which completely eliminates the superimposed ripple injection control signal from the normal mains supply to produce a noise free filtered mains supply which can then be connected to the electrical appliances or light control systems. The S-Click™ Ripple Signal Filter is specifically tuned to eliminate the ripple control signal frequency of 750Hz or 1050Hz.

### Features

- Eliminates off peak ripple tones in certain geographical areas in NSW & QLD
- Simple and easy to install
- Guaranteed ripple signal flicker free with S-Click™ Dimmers
- Works with LED, Halogen, CFL and Incandescent lamps
- External switch to select frequency
- Designed to fit through downlight hole

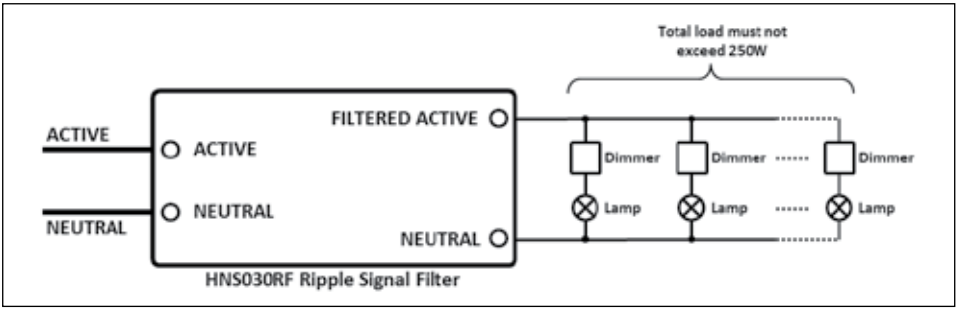
# Technical Specifications

## Operating Conditions

- Supply Voltage: 230-240Va.c. 50Hz
- Output Voltage: Filtered 230-240Va.c. 50Hz
- Power Rating: 250W
- Frequencies: HNS030RF-750: 750Hz
  HNS030RF-1050: 1050Hz
- Attenuation: -30dB Nominal
- Operating Temperature: -10 to +50 °C
- Compliance Standard: AS/NZS 3100
- Ingress Protection: IP20

Note: Operation at temperature, voltage or load outside of the specifications may cause permanent damage to the unit.

## Wiring Installation Diagram



# Optimum Presence Detector

CPD-360

CPD-360/2

CPD-360/2S

## Ceiling Mount Presence Detector

Part No. CPD-360 (Single Load)
Part No. CPD-360/2 (Dual Load)
Part No. CPD-360/2S (Slave Device for dual load)

## Features

- **CPD-360:** designed as a single load for controlling lighting device
- **CPD-360/2:** Two relays for outputs load I and load II respectively:
  Load I is for lighting control and load II is potential free contact for HVAC control
- **CPD-360/2S:** is a slave version detector connected to CDP-360/2
- Adjustable sensor head is capable of 30° downward and 350° clockwise and anticlockwise setting desired detection angle
- Down light construction for different thickness of ceiling board mounting, enables easy and quick installation
- Omni-directional quad element detector integrated with the unique lens provides “no dead spot” zones and superior sensitivity in its 360° coverage
- The detection beams are well distributed and concentrated over the detection coverage for the smallest movements detected
- Two relays for switching lighting and HVAC respectively
- One additional slave detector extendable for enlarging detection coverage
- Built-in red LED as an indicator for simplifying and easy test operation
- RJ-12 plug and socket for sensor and power box quick and easy installation
- Manual override feature

# Technical Specifications

## Operating Conditions

- Rated Voltage: 230V ~ ± 10% 50/60H
- Detection Range: Φ10m at 2.5 - 3m
- LUX Adjustment: Adjustable from 10 Lux to 2000 Lux
- Operating Temperature: 0°C to +45°C
- Environmental Protection: IP40 (Sensor) IP20 (Power box)
- Length of signal cable: CPD-360/2: 1 metre
  CPD-360/2S: 8 metres

## Auto Off Timer Adjustment

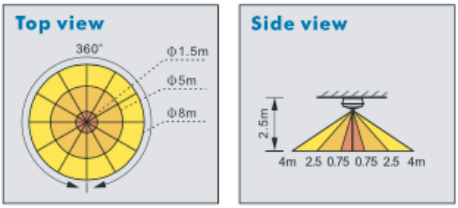
CPD-360/2:

- TIME1 (L↓): Adjust from 5 seconds to 30 minutes and test & 1s
- TIME2 (D1-D2): Adjust from 10 seconds to 60 minutes

CPD-360:

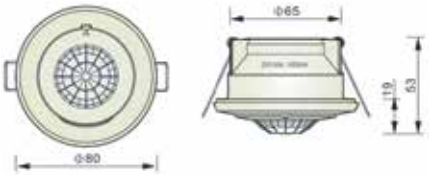
- (L↓): Adjust from 5 seconds to 30 minutes and test & 1s

## Detection Radius

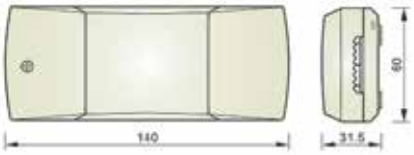



## Dimensions (mm)

Sensor




Power Box



# High Performance Presence Detector

## High Performance Presence Detector

Part No. CPD-360P

### Features

- High performance presence detector
- 360° detection with lens shield, flush or surface mount
- 30m detection zone
- 2 Channel; 1 second to 30 minutes & 2nd channel 10 seconds to 60 minutes
- Up to 10 slaves can be attached to extend to range (Part No. CPD-360Ps)
- IP40 but IP54 with included surface mount junction box
- Impulse mode to switch a staircase timer
- Optional IR remote control
- Suitable for halogen, Fluro and LED

# Technical Specifications

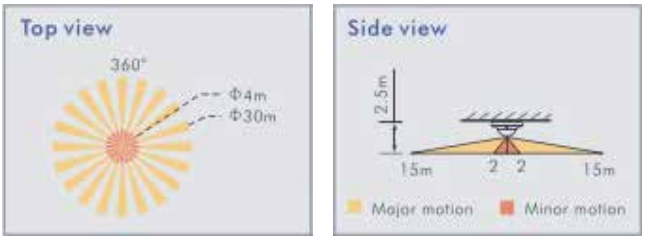
## Operating Conditions

- Rated Voltage: 220 - 240V ~ 50/60HZ
- Detection Range: 360° circular, up to Φ30m at height of 2.5m
- LUX Adjustment: Adjustable from approx. 10 Lux to 2000 Lux
- Operating Temperature: -20°C to +45°C
- Environmental Protection: IP40, IP54 (with JB-41)

## Auto Off Timer Adjustment

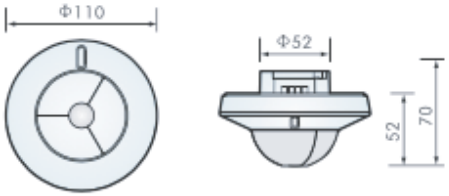
- Time 1: (for lighting)
  Adjustable from approx. 10 seconds to 30 minutes and test and 1s
- Time 2: (for HVAC)
  Adjustable from approx. 10 seconds to 60 minutes and 5s

## Detection Coverage

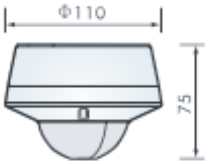



## Dimensions (mm)

CPD-360P




With Junction Box (included)



# 360 Degree Ceiling Surface Mount Presence Detector

## Lighting & HVAC Automation Control

Part No. CPD-360SM/2

### Features

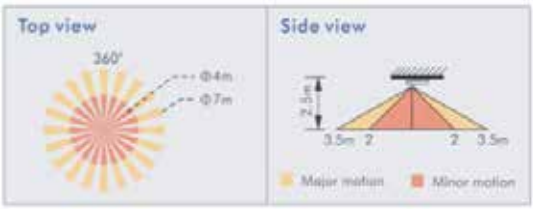
- 2 Channel 360 Degree Ceiling Surface Mount Presence Detector with unique easy install feature
- LED 400w, AC Halogen 1000w, Incandescent 2000w, Fluorescent 900va
- Surface mount feature with conduit Knockouts perfect for Concrete Ceilings
- Manual Override Feature
- 10m detection range
- Up to 1 hour Time delay
- Lux Adjustment from 10 to 2000lux

# Technical Specifications

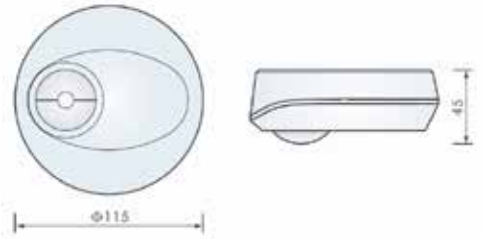
## Operating Conditions

- Rated Voltage: 220 - 240V / 60Hz
- Detection Range: 360° circular, up to Φ 10m at a height of 2.5m
- Operating Temperature: 0°C to +45°C
- Auto Off Timer Adjustment: Time 1 (for lighting)
  Time 2 (for HVAC)

## Detection Coverage




## Dimensions (mm)



# High Performance Presence Detector Dual-Technology

## Dual-Technology Presence Detector

Part No. CPD-360DUALTECH

### Features

- High performance presence detector with dual sensor technology
- PIR & Ultra Sonic - Sensor emits a 32KHz ultrasonic sound wave
- ACC feature- Air Current Compensation, used when AC duct affects US triggering
- 8m detection range for PIR and 10 x 16 for US
- Ceiling recessed and surface mount option with junction box included
- IR remote control optional but recommended
- HVAC compatible
- Typically used in multi stall bathrooms and partitioned offices including glass partitioning

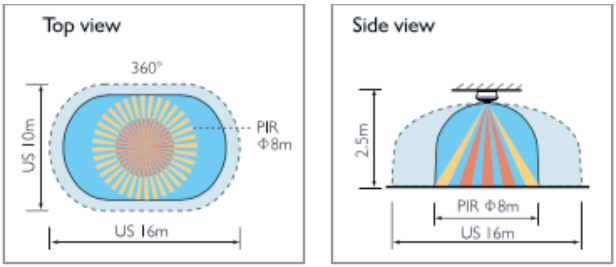
# Technical Specifications

## Operating Conditions

- Rated Voltage: 220 - 240V ~ 50/60Hz
- Detection Range: PIR 360° circular, adjustable up to Φ8m
  (At 2.5m Height) US 360° oval, adjustable up to 10m x 16m
- LUX Adjustment: Adjustable from approx. 10 Lux to 1000 Lux
- Operating Temperature: 0°C to +45°C
- Environmental Protection: Class II, IP20
- Number of Sensors: PIR x 1 & Ultrasonic x 2
- Ultra Sonic Sensor Freq: 32KHz
- Triggering Methods: PIR + US, PIR only, US only, PIR or US
- Auto Off Timer Adjust: Adjustable from approx. 5 seconds to 30 minutes, Test & 1s

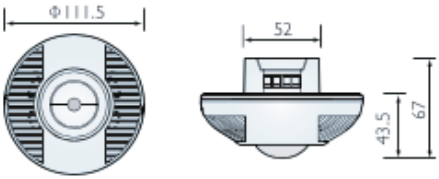
## Detection Coverage

PIR x 1 + US x2

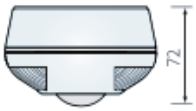



## Dimensions (mm)

CPD-360-Dual-Tech




With Junction Box (included)



# Bluetooth Digital DIN-Rail Time Switches

CTS-C15

CTS-C25

CTS-C25-12/24

## Digital DIN-Rail Time Switches

Part No. CTS-C15 (Supply Voltage: AC 110-230V) 1-Channel
Part No. CTS-C25 (Supply Voltage: AC 110-230V) 2-Channel
Part No. CTS-C25-12/24 (Supply Voltage: AC/DC 12/24V) 2-Channel

### Features

- Bluetooth 4.0 connectivity for easy and convenient programming from smartphone, tablet or PC
- Yearly annual or 7 day programming options
- PIN access code to protect service interval settings
- Tamper proof housing that can be sealed
- Automatic change from summer to winter time
- Save up to 500 settings to memory
- Large screw terminals suitable for stranded cable
- Battery backup keeps the device going for up to 8 years
- Equipment hour counter with service interval reminder

# Technical Specifications

## Operating Conditions

| | |
|---|---|
| • Supply Voltage: | ACC 110-230V ± 10% 50-60 Hz |
| • Current Output: | Changeover, potential-free,<br>opening width < 3mm,<br>Phase-independent (zero crossing) |
| • Operating Temperature: | -20°C - +55°C |
| • Power Consumption: | < 1VA (Standby-mode) |
| • Channels: | CTS-C15: 1<br>CTS-C25 & CTS-C25-12/24: 2 |
| • Tampering Protection | PIN Code, Lead Sealable |

## Functions

**ON / OFF**
Shortest switch time: 1 minute

**PULSE**
One-time switching operation for a duration of 1 second to 2 hours

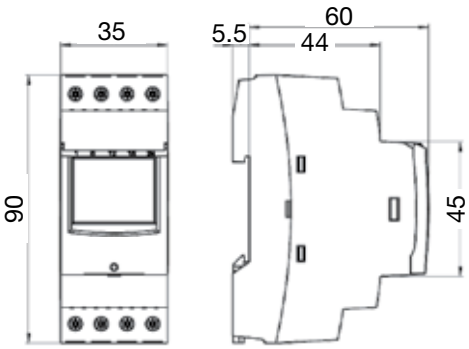
**DATE / NO DATE**
Unlimited combination with other functions

**RANDOM**
For randomized changes of the on-off times.

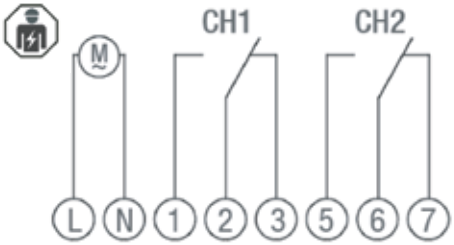
**CYCLE**
Recurring ON/OFF duration of up to 2 hours

**ASTRONOMICAL**
Set to local sunrise/sunset times

## Dimensions (mm)




## Circuit Diagram



# 7 Day Digital DIN-Rail Time Switch

## Digital DIN-Rail Time Switch

Part No. CTS-608

### Features

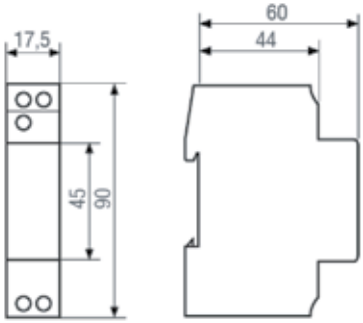
- Convenient, automatic change from summer to winter time
- Easy and fast installation
- Optimal tamper protection through PIN code protection for the service interval settings
- Optimal tamper protection through sealable housing
- Suitable for Advertising lighting, Street lighting & Shop window lighting

# Technical Specifications

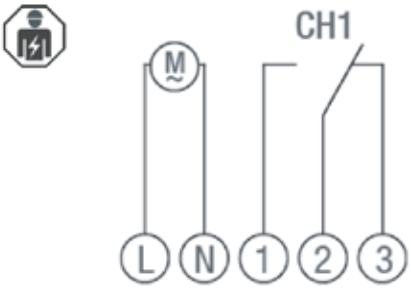
## Operating Conditions

- Supply Voltage: AC 230V ± 10% 50-60Hz
- Current Output: Switch contact, opening width < 3mm
  Phase-independent
- Operating Temperature: -10°C to +55°C
- Load Incandescent Bulb: 1.000W
- Power Consumption: 3VA
- Power Reserve: 3 Years
- Channels: 1
- Tampering Protection PIN Code, Lead Sealable

## Dimensions (mm)




## Circuit Diagram



# 24 Hour Analogue DIN-Rail Time Switches

CTS-160

CTS-180

## Analogue DIN-Rail Time Switch

Part No. CTS-160
Part No. CTS-180 (Power Reserve > 50 Hours)

### Features

**The analogue time switches are suitable for:**

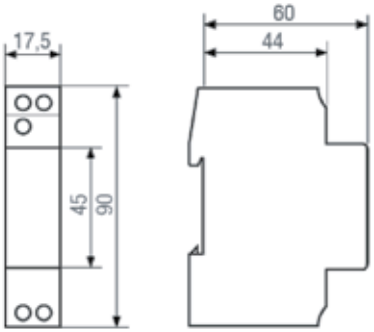
- Advertising lighting
- Shop window lighting
- Water treatment
- Pump control

# Technical Specifications

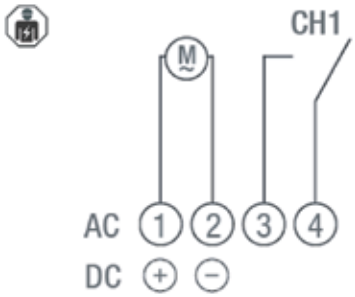
## Operating Conditions

- Supply Voltage: DC 130V
  AC 230V ± 10% 50-60Hz
- Current Output: Switch contact, potential-free
- Operating Temperature: -10°C to +55°C
- Load Incandescent Bulb: 1.000W
- Power Consumption: 1VA
- Channels: 1
- Program Daily Program (ON/OFF)
- Tampering Protection Lead Sealable

## Dimensions (mm)




## Circuit Diagram



# 24 Hour Analogue Universal Time Switches

CTS-64B

CTS-64BQ

## Analogue Universal Time Switch

Part No. CTS-64B
Part No. CTS-64BQ (Power Reserve > 150 Hours)

### Features

**The universal time switch is suitable for:**

- Machinery control
- Heating systems control
- Devices motors and pumps control

**Mounting options include:**

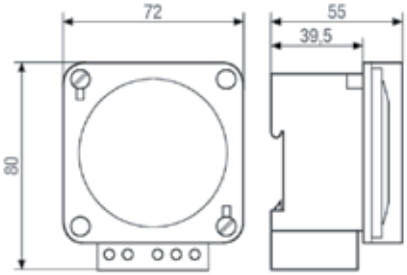
- Surface Mount
- Recessed
- DIN Mount

# Technical Specifications

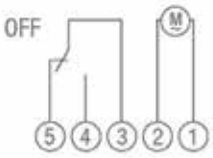
## Operating Conditions

- Supply Voltage CTS-64B: AC 220-240V ± 10% 50Hz
- Supply Voltage CTS-64BQ: DC 130V
  AC 230V ± 10% 50-60 Hz
- Current Output: Changeover, potential-free
- Operating Temperature: -20°C to +55°C
- Load Incandescent Bulb: 1.300W
- Channels: 1
- Program: Daily program (ON/OFF)
- Tampering Protection Lead Sealable

## Dimensions (mm)




## Circuit Diagram



# 24 Hour Time Switch

## Time Switch

Part No. CTS-UNI45

### Features

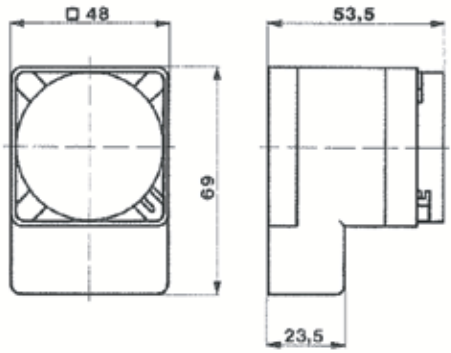
- Small, efficient synchronous time switch
- Fully insulated & Sealable
- Plug-in base assembly (flush mounting/surface mounting)
- Terminals with wire protection clamps
- Provides control of your loads to increase efficiency and minimize unnecessary electrical usage.
- Available in daily or weekly timing varieties and minimum switching ranges to suit various applications
- Panel Flush or DIN Rail mount varieties for all application preferences
- Suitable for Industry, Manufactures of switching panels & Electro installations

# Technical Specifications

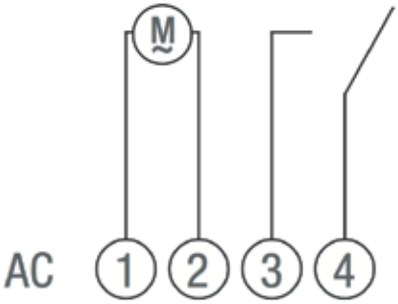
## Operating Conditions

- Supply Voltage: 220V / 50Hz
- Switching Capacity: 16A / 250V AC
- Operating Temperature: -20°C to +55°C
- Power Consumption: 2VA
- Rated Frequency 50/60Hz
- Channels: 1
- Program: Daily / 24hr
- Tampering Protection Lead Sealable

## Dimensions (mm)




## Circuit Diagram



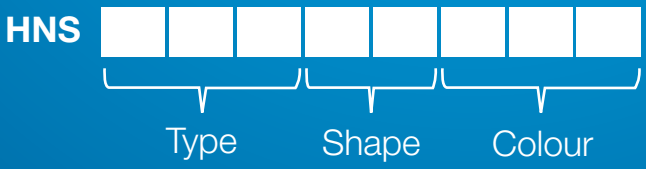
# Accessories

The S-Click™ Accessories are a range extension, made to compliment the large spectrum of S-Click™ Switches, Timers and Dimmers.

The extensive range of accessories includes various Knobs, Buttons and Bezels, all available in packs of 10. Also there are Capacitor and Resistor Packs, that can fix certain technical problems. The range of products are ideally aimed at Property Developers, Electrician's, Electrical Wholesalers and Contractors.

The aftermarket accessories come in many combinations of popular brands, styles and their colours. Not every single combination is supported, so please check the table.

The table below shows the designation of S-Click™ codes, combined to make the product part number:



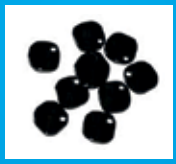

| Type | | Shape | | Colour | |
|---|---|---|---|---|---|
| BTN | Button | CP | Clipsal Standard, Series 2000, Slimline, Eclipse, Classic 2000 | WHT | Australian Electric White |
| BZL | Bezel | HM | HPM Excel™ | BLK | Black |
| KNB | Knob | CB | CABAC | BRL | Brilliant White (Only HNSBZLCPBRL) |
| | | ZN | Clipsal Saturn Zen™ | SVR | Silver (Saturn Only) |
| | | LF | HPM Excel Life™ | GRY | Silver Grey (Not Available) |
| | | SN | Clipsal Saturn™ | | |
| | | PD | PDL™ | | |

All Knobs, Buttons and Bezels are available in packs of 10.
The Capacitor, R/C Network and Resistor are available in single packs of 1.

# Accessories

**HNSBTNCPWHT**
Button Suit Clipsal Electric White

**HNSBTNHMWHT**
Button HPM Excel Electric White



**HNSBTNCPBLK**
Button Suit Clipsal Black

**HNSBTNHMBLK**
Button Suit HPM Excel Black

**HNSBZLCPWHT**
Bezel Suit Clipsal Electric White

**HNSBZLCPBRL**
Bezel Suit Clipsal Brilliant White

**HNSBZLHMWHT**
Bezel Suit HPM Electric White

**HNSBZLLFWHT**
Bezel - HPM Excel Life Electric White

**HNSBZLCPBLK**
Bezel Suit Clipsal Black

**HNSBZLHMBLK**
Bezel Suit HPM Excel Black

**HNSBZLLFBLK**
Bezel Suit HPM Excel Life Black

**HNSKNBCPWHT**
Knob Suit Clipsal Electric White

**HNSKNBHMWHT**
Knob - HPM Excel Electric White

**HNSKNBCBWHT**
Knob Suit CABAC Electric White

**HNSKNBZNWHT**
Knob - Clipsal Saturn Zen E.White

**HNSKNBCPBLK**
Knob Suit Clipsal Black

**HNSKNBPDWHT**
Knob Suit PDL White

**HNSKNBHMBLK**
Knob Suit HPM Black

**HNSKNBCBBLK**
Knob Suit CABAC Black

**HNSKNBSNSVR**
Knob Suit Clipsal Saturn Silver

**HNSSUPCAP**
Noise Suppression Capacitor

**HNSRCNETW**
R/C Network - Make 3-Wire Timer Power up OFF

**HNSBLDRES**
Bleed Resistor - Some Capacitive Lamps store too much charge – bleeds this out

# Notes

# Notes

S-CLICK smart switch TECHNOLOGY

All of our S-Click™ products are compatible with HPM and Clipsal wall plates.

For further information please visit
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