

HNS410TM OWNER'S MANUAL

1. FEATURES

- Includes both Timer and No-Timer functions.
- 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 settings even after loss of mains power.
- Configurable power up ON or OFF after loss of mains power.
- Certification with HPM and Clipsal Style wall plates.
- Time out set to 30 minutes out of box.



2. OPERATING CONDITIONS

- Operating Voltage: 230V AC
- Operating Temperature: 0 to +50 °C
- Compliance Standard: CISPR 15, AS 60669.2.1
- Maximum Load: 400VA
- Minimum Load: 10VA
- Maximum Current capacity: 1.7A
- Terminals: Screw Terminals suit 0.5mm² to 1.5mm² stranded (bootlace terminal recommended)

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

3. LOAD COMPATIBILITY

LOAD TYPE	COMPATIBILITY
LED Lamps ⁽¹⁾	400VA
Incandescent / 240V Halogen / Dichroic Lamps	400VA
Low Voltage Halogen / Dichroic Lighting with Iron-Core Transformers	Not Compatible
Low Voltage Halogen / Dichroic Lighting with Electronic Transformers ⁽¹⁾	400VA
Dimmable Compact Fluorescent Lamps ⁽¹⁾	400VA
Motors / Fans / Contractors / Relays / Transformers	Not Compatible
Fluorescent Tube with Electronic Ballast ⁽¹⁾ or Iron Core Ballast	Not Compatible

⁽¹⁾ Refer to lamp manufacturer's guidelines. Lamps must be compatible with electronic switches

Note: This manual was correct at the time of manufacture. For the latest version of the manual and any technical or safety updates refer to the website: cabac.com.au, cabac.co.nz.

4. WIRING INSTRUCTIONS

WARNING: The HNS410TM is to be installed as part of a fixed wire electrical installation. By law such installations must be made by an electrical contractor or similarly qualified person.

NOTE: A readily available disconnect device, such as a type C 16A circuit breaker shall be incorporated external to the product.

4.1 WIRING

- Disconnect power at the circuit breaker before any electrical work.
- Install the HNS410TM as per the wiring diagram in figure below.

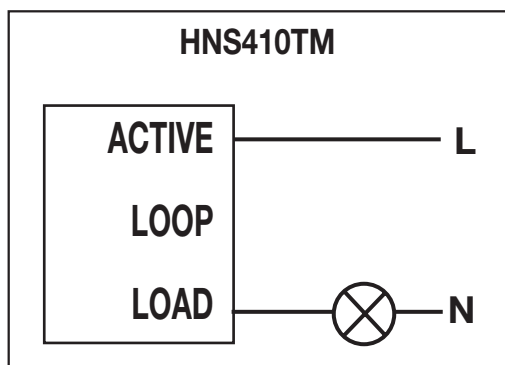


Figure 1

- Clip the button on to the HNS410TM. Ensure that the button is oriented so that the LED light pipe is aligned with the hole in the button, before attaching it to the wall plate.
- Affix Instruction Sticker behind wall plate.
- Reconnect power at the circuit breaker and affix Solid State Device Warning Sticker at switchboard.

Note: The HNS410TM is designed for indoor use. It is not rated for outdoor installation. If the unit is loose in the plate, the wall plate should be replaced. The wire strip length is 6.5mm.

4.3 DERATING

- In high ambient temperatures, the maximum load rating is reduced according to the table below.

AMBIENT TEMPERATURE	MAXIMUM LOAD
25°C	100%
30°C	90%
35°C	80%
40°C	70%
45°C	60%
50°C	50%

5. OPERATING INSTRUCTIONS

When the power is OFF the power can be turned on with the HNS410TM in either Timer mode or No-Timer mode.

5.1 TIMER

- A quick tap of the button (local or remote) will turn the power ON.
- The LED will flash indicating the number of minutes the power will be ON before power is turned OFF.
- The LED will blink every 5 seconds to indicate that timer mode is in operation.
- During the last 10 seconds of operation the LED will flash indicating imminent time out.
- During operation, the button may be given a quick tap to cancel the timer and turn the power OFF.

5.2 NO-TIMER

- Press and hold the button for 2 seconds until the LED indicator turns OFF.
- Release the button.
- Power will turn ON.
- The LED will turn ON and stay ON indicating and there is no timeout period and power will stay ON indefinitely.
- Any time during operation the button may be given a quick tap to turn the power OFF.

5.3 PROGRAMMING TIMER DURATION

- Programming mode may be entered at any time by pushing and holding the button down for 10 seconds. The LED will flash quickly to indicate that programming mode has been entered.
- To program, press the button between 1 and 60 times according to the desired delay in minutes. For example, 10 presses will result in a delay of 10 minutes. More than 60 presses will result in a delay time of 60 minutes being stored.
- Programming mode expires 10 seconds after the last button press. At this time the new delay is stored in memory. If no button presses were detected the delay time will be unchanged.

NOTE: While adjusting the timer duration the operation modes cannot be changed.

6. OPERATION MODES

MODE	DESCRIPTION	FACTORY SETTINGS
1. Power Up ON	Unit powers up in the ON state	ON

6.1 POWER UP ON

- The timer can be set to power up ON or power up OFF after the application of mains power. The default setting is ON. The OFF setting is useful for applications that have a master power switch or intermittent power supply.

6.2 CHANGING OPERATION MODES

- Hold the button down for 10 seconds until the LED indicator starts flashing. Release the button.
- Hold the button down for 2 seconds until the LED indicator turns OFF.
- Release the button - the LED indicator will start flashing again.
- Press the button once to toggle the desired Operation Mode - see table above.
- When the LED indicator stops flashing the operation mode has been toggled.

NOTE: The operating mode cannot be changed while adjusting the timer duration

To change the Power Up ON Setting

- Hold the button down for 10 seconds until the LED indicator starts flashing. Release the button.
- Hold the button down for 2 seconds until the LED indicator turns OFF.
- Release the button - the LED indicator will start flashing again.
- Press the button once.
- When the LED indicator stops flashing the setting is now toggled.

To Reset HNS410TM to factory settings

- i. Hold the button down for 10 seconds until the LED indicator starts flashing.
- ii. Release the button.
- iii. Hold the button down for 10 seconds again until the LED indicator starts flashing again.
- iv. Release the button.
- v. The timer will turn OFF - the timer is now reset to factory settings.

7. IMPORTANT SAFETY WARNINGS

7.1 LOAD REPLACEMENT

- It should be assumed that even when OFF, mains voltage will still be present at the load fitting. Mains power should therefore be disconnected at the circuit breaker before replacing loads.

7.2 INSTALLATION

- The HNS410TM is to be installed as part of a fixed wire electrical installation. By law, such installations must be made by an electrical contractor or similarly qualified person. Avoid excessive force on remote input wire or terminal block during installation.

7.3 LOW READING DURING INSULATION BREAKDOWN TEST

- The HNS410TM is a solid state device. Therefore a low reading may be observed when conducting insulation breakdown testing on the circuit.

7.4 CLEANING

- Clean only with a damp cloth. Do not use abrasives or chemicals.

8. WARRANTY AND DISCLAIMER

Legend Corporation Limited warrants the product against manufacturing and material defect from the date of invoice to the initial purchaser for a period of 12 months. During the warranty period Legend Corporation Limited will replace products that prove to be defective where the product has been correctly installed and maintained and operated within the specifications defined in the product data sheet and where the product is not subject to mechanical damage or chemical attack. The warranty is also conditional on the unit being installed by a licensed electrical contractor. No other warranty is expressed or implied.

Legend Corporation Limited shall not be liable for any direct, indirect, incidental or consequential damages.

Note: This manual was correct at the time of manufacture. For the latest version of the manual and any technical or safety updates refer to the website: cabac.com.au, cabac.co.nz.