



Harvey Norman®

Online | Mobile | **Your Local** Store

SHOP *with* **CONFIDENCE** on Quality, Value and Service.

Call 1300 464 278 for your local store.

Bathroom & Tiles available at the following locations: • HARVEY NORMAN FLAGSHIP STORE @ AUBURN 9202 4888 • BALGOWLAH SUPERSTORE 9949 0100 • CAMPBELLTOWN SUPERSTORE 4621 5200 • CARINGBAH HOMEMAKER CENTRE 9589 8800 • CASTLE HILL 9840 8800 • GORDON 9496 9200 • LIVERPOOL 9600 3333 • MASCOT 9693 0710 • PENRITH SUPERSTORE 4737 5111 • PUNCHBOWL 9784 4400 • BENNETTS GREEN 4944 5000 • ERINA 4365 9888 • WARRAWONG 4223 8800 • FYSHWICK 6283 1200

Harvey Norman® stores are operated by independent franchisees.



warmtech
Underfloor Heating

undertile heating

- Ideal for bathrooms
- Easy to install
- Ideal for renovations and new homes
- Warm tiles – no other heating required
- Reduces mould

UNDERFLOOR HEATING



Warmtech custom-laid heating elements allow full coverage of the floor making it warm, attractive and practical all year round – you can even control and set Warmtech heating systems remotely using your smartphone*...

Undertile & Inscreed heating

warmtech
heating systems



MTC-1991



TH115-F-240D



TSP-WT01



W3AWG4 / W3ADG4

- Suitable for use under most types of flooring
- Economical running costs
- Exclusive range of thermostats including the Wi-Fi controllable W3AWG4

Undertile heating

COMFORT, COMFORT, COMFORT... Undertile heating has several hidden benefits. There is no ugly hardware in sight and the look, feel and atmosphere of the whole room is enhanced. No more dampness, heat pumps, draughts and condensation.

EFFICIENT Undertile heating warms the floor surface – where you require it. Combining correct control with the correct installation gives you a cost-effective heating system, with no more cold spots or chilly drafts.

PRACTICAL Undertile heating is easily installed in both new and existing homes, whether it be a single bathroom or a total floor area. Installation is usually done just before tiling, causing minimum disruption to your building or renovating schedule.

PEACE OF MIND SAFETY With all features completely hidden, there's no threat to prying little fingers! Our heating elements and controls are approved and certified to Australian and international standards.

SIMPLE OPERATION No maintenance or annual checks. Simply turn on and enjoy.

GUARANTEED Our undertile heating system comes with a 10 year guarantee on both elements and installation when installed by Warmtech experienced technicians, plus a 1 year warranty on all controllers when installed by a licensed electrician.

Inscreed heating

This is an efficient form of underfloor heating which enables you to use almost any type of floor covering available eg granite, marble, slate or tile. The inscreed heating cable is suitable for installation under concrete screeds and can also be used internally beneath thick stone floors.

Inscreed heating is a low cost solution and our heaters are designed to be used where regular constant heat is required. The heaters consist of a fixed length of heating wire terminated at one end by a sealed joint and the other end by a 2.4m power supply cable (cold tail). The cores and earth braid are spliced in a waterproof joint assembly to the supply conductors and the earth conductor of the cold tail.

www.warmtech.com.au

KITS AVAILABLE AT:

Harvey Norman

- HARVEY NORMAN FLAGSHIP STORE @ AUBURN (New look coming in October) 9202 4888 • BALGOWLAH SUPERSTORE 9949 0100
- CAMPBELLTOWN SUPERSTORE 4621 5200 • CARINGBAH HOMEMAKER CENTRE 9589 8800 • HOME HUB CASTLE HILL 9840 8800
- GORDON 9496 9200 • LIVERPOOL 9600 3333 • MASCOT 9693 0710 • PENRITH SUPERSTORE 4737 5111 • PUNCHBOWL 9784 4400
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*A W3AWG4 thermostat controller, compatible smart phone and a Wi-Fi network are required for remote access and control of Warmtech underfloor heating systems.



thermostats

Warmtech thermostats are constructed from the finest quality materials available and have been selected and developed for their ease of use, functionality and good looks...

warmtech
Underfloor Heating

thermostats

Specifications

programmable

TH115

(Air, Floor or Air with Floor Limitation)

Advanced temperature control ensures total comfort by minimising temperature swings

On/off switch enables thermostat shutdown at the end of heating season/ no programming will be lost

On-screen heating command indicator gives at-a-glance verification of power being sent to the floor

Temporary bypass enables temperature override without changing programming

Floor model with easy-access floor sensor connector enables precise control of floor temperature

Large, backlit LCD features intuitive programming icons

Attractive design includes hidden programming buttons

Battery-free backup means no re-programming your schedule after power cuts

Product Range

programmable



TH115



*with doors open

TH115 - programmable (Air, Floor or Air with Floor Limitation)			
Temperature control	Switching action	Programming	Dimensions (h/w/d)
Microprocessor optimized PIA*	Epoxy-soundproofed relay: quiet operation	7-day independent programming, 4 settings/day	124 x 70 x 23mm Floor sensor: 4.6m
Heating cycles: 15 minutes	240 V	Pre-programmed schedule or personalised	Fits over standard vertical flush box
Accuracy: $\pm 0.5^{\circ}\text{C}$	15 Amps - 50 Hz	12 hour or 24-hour format	
Manual Dual scale: $^{\circ}\text{C}/^{\circ}\text{F}$			

*PIA - Proportional Integral Adaptive calculates the power requirement for every 15 minutes the heating is used.

Warmup® Touch

Warmup thermostats are constructed using high quality components and have been selected for their ease of use, functionality and good looks...

- User-friendly interface
- Colour touch screen
- Energy monitoring
- Compatible with all floor sensors



Actual Size

“All-in-one” clock thermostat for electric underfloor heating creates optimal comfort temperature and the lowest possible energy consumption.

- Easy touch menu navigation
- 12 different language choices
- Set and forget! Adaptive control for comfort temperature when required - exceeds the new EU ECO directive requirements.
- Snap-mount front cover for easy installation
- Compatible with all floor sensors, making it the best choice for renovations
- Built-in holiday calendar and clock function for automatic comfort and setback
- Automatically adjusts to daylight saving time
- 5-year battery backup of clock and calendar

Thermostat control

Electronic thermostat for temperature control via a sensor placed either externally in the floor or built into the thermostat.

Built-in clock/calendar with battery backup

Includes 4- and 6-event program for automatic comfort and setback temperature. Up to 7 different program combinations can be created, where a program consists of working day and home days.

Colour display

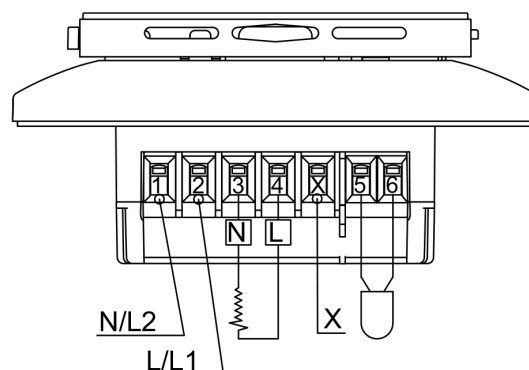
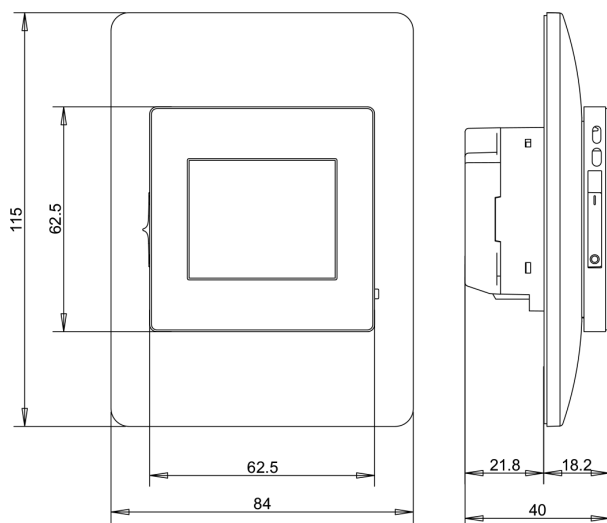
Unique user interface with new menus and touchbased navigation for easy programming and readouts.



Colour Touch Thermostat

warmtech
Underfloor Heating

WT01 Colour Touch Thermostat



Monitoring of energy consumption

Total switch-on can be read-out for overall energy consumption monitoring.

Factory-set of events

The thermostat is delivered with factory-set programs:

SETTINGS

(MONDAY - FRIDAY)	
5:30 - 8:00	Comfort 24 °C
8:00 - 18:00	Economy 16 °C
18:00 - 21:30	Comfort 24 °C
21:30 - 5:30	Economy 16 °C
(SATURDAY & SUNDAY)	
6:00 - 9:00	Comfort 24 °C
9:00 - 18:00	Economy 16 °C
18:00 - 21:30	Comfort 24 °C
21:30 - 6:00	Economy 16 °C

Individual programming of events

The factory-set periods and/or temperatures can be adjusted as necessary.

The following programs can also be selected

Choose between 4- or 6-event scheduler.

Up to seven different event program combinations can be used. Choose between method "work-/home-days" or "individual days" programming.

Comfort mode

The room temperature can be temporarily changed for a selected number of hours. The controlled thermostat will then return to the scheduled event program.

Manual mode

The scheduled event program can be cancelled for permanent constant temperature operation.

Holiday mode

Program a planned holiday period and the thermostat will start automatically.

Boost mode

Activate a boost period of one hour to rapidly increase the temperature. The thermostat will then return to normal operation.

Frost mode

Frost protection mode can be activated if no heat is needed. (Ensures no frost damages at low temperatures).

TECHNICAL DATA

Operation voltage	220-240V 50/60 Hz
Standby power consumption	< 400 mW
Relay: Resistive load Inductive load	16 A/3680W @ 230V Cos ϕ = 0.3 max. 1 A
Sensing unit	DEVI, NTC 15 k Ω m at 25°C Low voltage, galvanic separated from power supply Compatible with foreign sensors
Sensing values:	0°C 42 k Ω m 20°C 18 k Ω m 50°C 5 k Ω m
Regulation	PWM - Pulse Wide Modulation
Ambient temperature	+5 to +30°C
Floor temperature limit	Max. +20 to +35°C (+45°C) Min. +10 to +35°C (+45°C)
Frost protection	+5°C (+5 to +9°C)
Temperature range	5-35°C (room) or 5-45°C (floor)
Lowering in economy periods	0°C to +30°C
Storage temperature	-20°C to +65°C
Battery backup	Settings: Forever Time, date, consumption meter: 24 hrs
IP class	21
Dimensions (H/W/D)	2-part touch safe construction
- Assembled (Design Frame)	85 mm x 85 mm x 44 mm
- Top part	67 mm x 67 mm x 22 mm
- Bottom part	67 mm x 67 mm x 22 mm (from wall surface)

WARMTECH has heating experts and contractors nationwide, who will be pleased to provide more details on WARMTECH products and services. To contact your local WARMTECH distributor or to arrange a no-obligation free quotation, please call our freephone number.

Australia: Freephone 1300138 126 www.warmtech.com.au

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Underfloor Heating

W3ADG4

This electronic touch thermostat is recommended for the control of underfloor heating systems with its sleek design and intuitive control designed for easy installation.

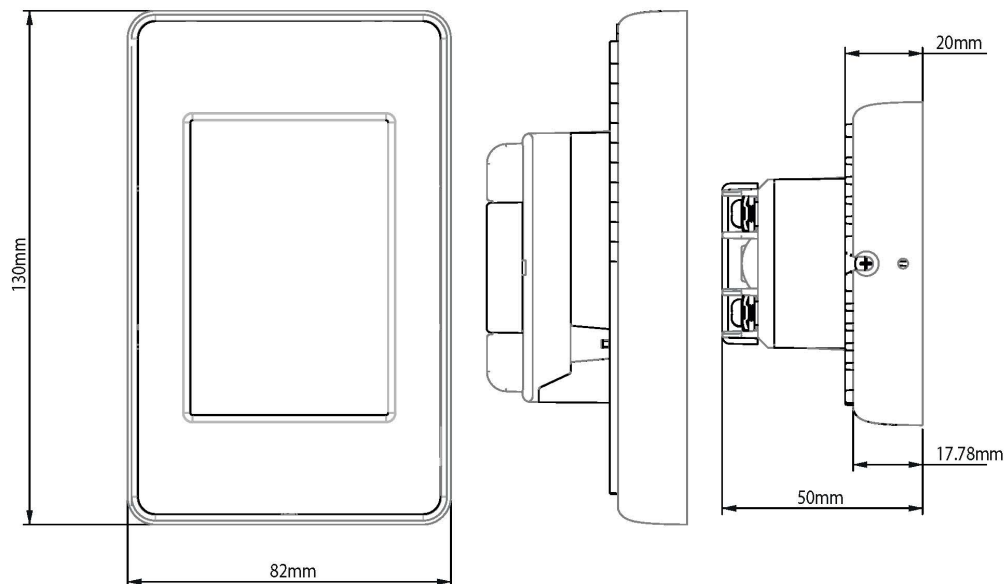


Features

- 88.9mm colour screen with easy interactive touch control
- Easy scheduling method
- Power consumption is saved in detail to your user account
- Thermostat settings can be exported to the web page for technical support
- Universal compatibility with existing floor heating sensors
- Suitable for tile, stone, laminate, concrete and wooden floors
- 5 year battery backup of clock and calendar

W3ADG4
7-day fully Programmable

warmtech
Underfloor Heating



QR code gives support on a whole new level

Thermostat settings and energy log can be monitored on any device with web access. Just scan the QR code from the thermostat and view data on a web site. The new, smart and interactive manual in-forms in detail what you can do with the thermostat. The QR code can also be forwarded to a supporter shortening down time used on "what is" explanations - jumping directly to "what to do" time.

Easy installation

Just connect the wires, turn on the power and follow the wizard. There is no need to remember special settings, the thermostat pre-sets the installer wizard and the user wizard ensures a fast and smooth process. Thus, no unintended heating before you are ready – a check question ensures that.

Control the power – just smarter

By default, the thermostat controls ambient temperature and protects the floor against overheating. The default floor sensor can be replaced by any floor sensor. The floor protection fits laminate/wood, tile, concrete or wherever lower maximum temperature is required. If you want the heating to start at a given time, or at a given temperature at a specific time –we call it early start. If you want the heating to stop if you start cooling, but to start if it passes the threshold - we call it open window.

Additional features:

- Child lock
- Three control modes: Ambient temperature with floor protection, floor temperature with floor protection, ambient temperature without floor protection (regulator mode without sensor)

TECHNICAL DATA

Supply	120-240 Vac 50/60 Hz
Load	15A maximum (resistive load)
Power	1,800 W at 120 Vac 3,120 W at 208 Vac 3,600 W at 240 Vac
GFCI (UDG4-4999)	Class A (5 mA trip level)
EGFPD (ADG4-4999)	15 mA trip level
Temperature range	+41 to +104°F (+5 to +40°C)
Floor limit range	+41 to +104°F (+5 to +40°C)
Floor protection laminate/wood	82F(27.5C)
Floor protection tile	88F(31.0C)
Amb. Temp. range	+32 to +104°F (0 to +40°C)
On/Off differential	0.7°F (0.4°C)
Regulation principle	PWM / PI
Housing	IP20
Floor sensor type	NTC (10 K Ω) 15 ft (4.5 m)
Dimensions(H/W/D)	130/82/20mm
Wall box (H/W/D)	76.2/50.8/50.8mm
Display	88.9mm, 65k color
Touch	resistive
Programmable events	1- 6-event per day

c-UL-us according to the following standards:

Thermostat: UL 60730
CSA- E60730
UL E-file: E157297
GFCI: UL 943
CSA C22.2, No. 144. 1-06

Approvals:



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Underfloor Heating

W3AWG4

(with Wifi connectivity)

This electronic touch thermostat is recommended for the control of underfloor heating systems with its sleek design and intuitive control designed for easy installation. This thermostat enables remote Wifi connectivity, giving users a convenient way to adjust and monitor their home heating system.



(Mobile phone not included)

Features

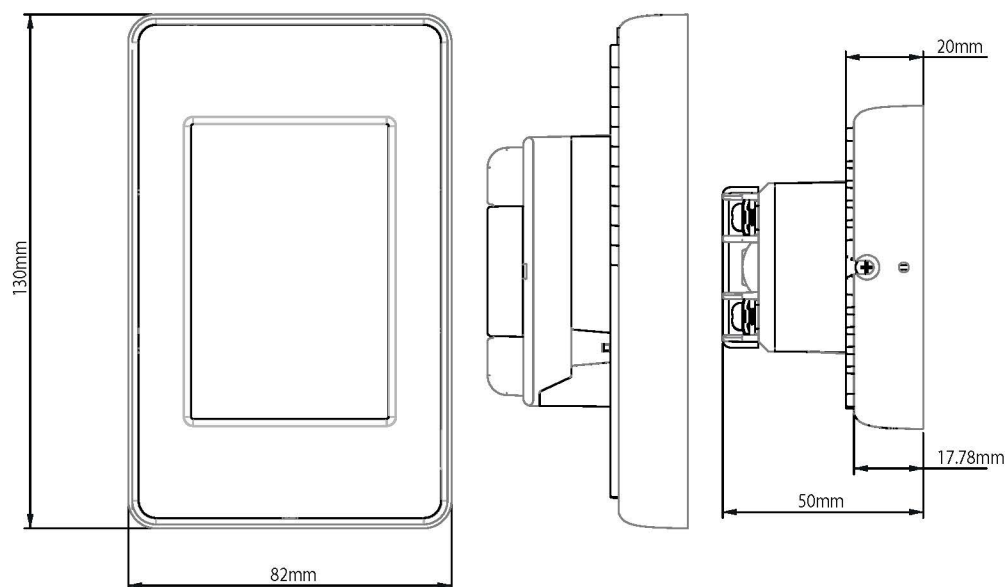
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- Thermostat settings can be exported to the web page for technical support
- Universal compatibility with existing floor heating sensors
- Suitable for tile, stone, laminate, concrete and wooden floors
- 5 year battery backup of clock and calendar

W3AWG4

7-day fully Programmable (Wifi)

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Underfloor Heating



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Control the power – just smarter

The thermostat's default setting is for ambient temperature control with floor temperature protection. The included floor sensor can be replaced by any floor sensor with a setting to make the necessary adjustments. The floor protection includes settings for laminate/wood, tile, concrete or or allows a selection of maximum temperature setting. If you want the heating to start at a given time, or at a given temperature at a specific time –we call it early start. If you want the heating to stop if you start cooling, but to start if it passes the thresh-old - we call it open window.

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Programmable events	1- 6-event per day
WLAN	802.11 b.g.n Wlan module. port 80 access

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UL 60730

CSA- E60730

UL E-file:

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GFCI:

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Approvals:



**BATHROOM
HEATING**

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Underfloor Heating