

DTAC-100 Series Pool Heating Controllers



- Simple, intuitive user interface
- LED display and status indicators
- Gas/Electric Heater and Valve Relay control
- Optional power separator cable
- Optional solar-powered Bluetooth 5 roof temperature sensor
- Optional mobile app
- Optional over-current detection

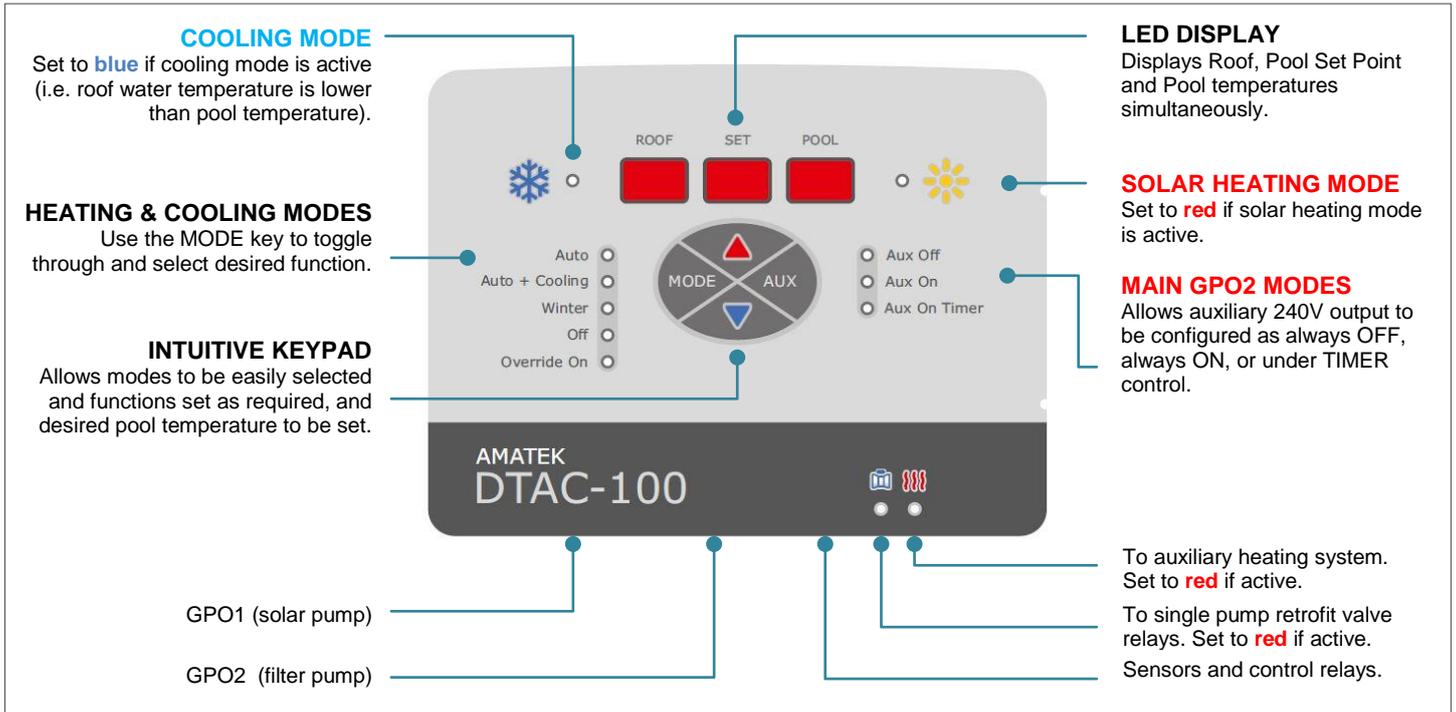
Amatek's DTAC-100 Series delivers simple, intuitive control to pool heating systems by measuring pool and roof temperatures; while being capable of connecting to auxiliary heating systems, such as gas or electric, and actuator valves.

The DTAC-100 Series also features optional Bluetooth 5 connectivity to a roof temperature

sensor kit, and monitoring control and diagnostics via an optional phone app.

The DTAC-100 Series offers premium quality at a competitive price and is designed in Australia by engineers with extensive experience creating reliable and functional electronics for consumer, commercial and medical customers.

- **Auto Heating Mode**
Heats pool to set point temperature when solar gain is available.
- **Auto Heating + Cooling Mode (Tropical)**
Heats or cools pool to desired temperature, depending on solar gain or lower roof water temperature.
- **Winter Mode**
Saves energy and wear and tear on the pump during winter when the pool is typically not in use. Runs pump for 6 minutes per day to reduce pump damage.
- **Clock and settings data retained**
During power down, clock is battery backed up so date and time is retained for up to 10 years. All user settings stored in flash, including Auto, Auto+Cooling, Standby and Timer modes, and won't be lost during a mains power failure, or a 'Tariff 33' power disconnection.
- **Optional Bluetooth 5 Roof Temperature Sensor**
Option for when hard-wired connection to roof solar temperature probe not viable. Wireless probe kit includes a photovoltaic cell and Bluetooth 5 for connectivity to the DTAC series controller.
- **Surge Protection**
Surge arrestors and secondary filters protect against over-voltage surges in the 240V supply.
- **Local or Remote Operation & Monitoring**
Bluetooth 5 wireless connectivity from a mobile device using our Android or iOS app allows users to:
 - Set all control parameters
 - Monitor the pool and heating system temperatures
 - Access diagnostics and system logs
 The Apps can also optionally allow authorised pool maintenance providers to remotely view the system's performance, check fault logs and system performance data, which may be used to provide value added services to the system owner.
- **Power Separator**
Optional power separator cable with isolated sense - averts overloading other equipment.
- **Analytics & Fault Reporting**
An optional data logging facility can simplify fault detection and correction, as well as allow optimisation of settings based on performance history.
- **Customised Branding**
Custom branding available for pool equipment suppliers. MOQs apply.
- **Australian Designed, Assembled & Supported**
Designed in Australia to conform to Australian and International standards, this is a premium product backed by the Australian developer and manufacturer.



- DTAC-100 Series of Controllers & Accessories**
- DTAC-101**
- Single 240VAC 10A GPO for connection and control of heating pump.
 - 4x2-wire Phoenix socket.
 - Bluetooth 5 ready.
- DTAC-102**
- Dual 240VAC GPOs (10A total) for connection and control of the heating and filtration pumps.
 - 4x2-wire Phoenix socket.
 - Bluetooth 5 ready.
- DTAC-103**
- Optional wireless rooftop solar heater temperature probe for wireless connectivity with DTAC controller.
 - Includes solar charging panel (charges LiMn cell in transmitter) and mounting hardware.
 - Includes screw-on stub antenna for the DTAC controller.

SAFETY
Complies with the following:

- AS/NZS 3760:2010 (electrical safety)
- AS/NZS 61000.6.3 (EMC)

ENVIRONMENTAL
Enclosure: IP56 rated ASA (Acrylic Styrene Acrylonitrile)
Operating temp: -10C to + 70C

