

EASIWise Delta is a connected **smart geyser timer and protection device** designed to fit any standard electric geyser. For solar or PV-supported systems, EASIWise offers **Delta Max**. The **Delta** can be installed with a **leak detector** and **automatic water shut-off** valve to help reduce the risk of water damage.

Electrical specifications

AC specifications

Description	Specification
Operating voltage	100–230 VAC / 50 Hz
Main geyser relay contact rating	230 VAC / 30 A
Geyser element current measurement	0–20 A (±10%)
Rated geyser element output	Up to 4kW MAX

Measurement specifications

Geyser element energy estimation	Based on current measurement and 230 VAC nominal mains voltage
Geyser switching temperature differential	1°C

Temperature and control specifications

Description	Specification
Default geyser temperature setting	55°C
Geyser control temperature range	30°C to 65°C
Recommended practical setpoint	60°C to 65°C
Tank over-temperature fault threshold	>85°C

Probe specifications

Description	Specification
Primary geyser thermistor display range	0–99°C
Primary geyser thermistor operating range	-20°C to 130°C
Temperature tolerance	±2%

Timer and operating behaviour

Description	Specification
Default geyser setpoint	55°C
Programmable schedules	2x Programmable daily timer periods
Holiday mode	Disables mains heating / geyser element operation
Boost mode	Manual override heating function for 1 hour or until desired temperature is reached

Operating notes

- In the event of a geyser temperature sensor failure, the system reverts to thermostat-controlled operation.
- AC takes preference when timer periods overlap with solar heating periods.

Compliance and certification

Description	Specification
Test report number	WCT 21/1255
Product description	Geyser Controller
Test specification	IEC 60669-1:2017 / SANS 60669-1:2017 IEC 60669-2-2:2006 / SANS 60669-2-2:2007

Safety and protection features

Description	Specification
Element fault detection	Yes
Earth leakage fault indication	Yes
Water leak detection	Yes, with optional drip tray pad
Over-temperature protection / indication	Yes
Temperature probe fault indication	Yes
Solar pump fault indication	Yes
Electric shock protection compliance evidence	Yes

Water leak response

- Water leak condition is indicated by alarm / symbol / notification depending on interface used

Known installation constraints

- Indoor dry-area installation only
- Unit should be installed above any pipes which may leak into or onto the enclosure
- For outdoor installation, unit must be placed inside an IP65 waterproof housing
- Unit should be mounted away from moisture and electromagnetic fields

