

SMART POOL CONTROL

SI-Pool Pool, sorted.

A locally-controlled pool automation unit with pump-current sensing, scheduling, dry-run protection and a self-hosted web app – plus automatic Home Assistant discovery for sites that already run one.

Standalone. Local-first.
First year of remote access included.

Installer & reseller brochure
www.si-sa.co.za

28.4 °C

Target 28.5 °C · Heating

Live from your dashboard

Temp · Schedule · Filter · Power · Dry-run protection

A SERIOUS UPGRADE FROM A TIMER & A FLOAT

Precision you can bill for.

SI-Pool replaces the old timer-and-floats world with a calibrated controller, an on-board energy meter, a dry-run protection circuit and a self-hosted web app — giving installers a single SKU that solves filtration scheduling, pump protection, filter health, heater control and remote visibility in one IP65 package.

<p>● PUMP CURRENT SENSING</p> <p>On-board AC current transformer on the pump circuit. Live wattage and lifetime kWh are derived — the same readings drive filter health and dry-run protection.</p>	<p>● FILTER HEALTH FROM PHYSICS</p> <p>A clogged filter pulls less wattage. Set <i>Clean</i> and <i>Dirty</i> thresholds in the UI — owners get an alert when it's time to backwash.</p>	<p>● DRY-RUN PROTECTION</p> <p>Trips the pump when it draws below the trip threshold for the grace period — saving the mechanical seal. Bypass-able for priming.</p>
<p>● STANDALONE WEB APP</p> <p>Self-hosted dashboard at http://si-pool.local on the LAN. No app store, no cloud account required for local control.</p>	<p>● FIRST YEAR REMOTE</p> <p>Same dashboard reachable from anywhere over a managed encrypted tunnel — first 12 months included. No port-forwarding, no third-party tunnel.</p>	<p>● HOME ASSISTANT NATIVE</p> <p>Auto MQTT discovery — every entity appears in HA without YAML the moment a broker is configured.</p>

IDEAL FOR

Residential pools · Estate & cluster pools · Holiday lets · Solar-heated pools · Existing

One SKU, multiple applications — a clean upsell on every pool service or solar install.

Every SI-Pool ships with an installer-friendly quick-start guide and sane defaults for typical single-pump residential pools. Custom thermowell threads, OEM enclosure branding and bundled installation are available for resellers and large orders.

TECHNICAL AT A GLANCE

Everything the installer needs to know.

Controller	Wi-Fi MCU, on-device firmware	Pump monitor	AC current sensor → derived W & kWh
Connectivity	Wi-Fi 2.4 GHz · MQTT auto-discovery	Temp sensor	316 SS thermowell + waterproof probe
Local UI	Self-hosted, http://si-pool.local	Protection	Dry-run trip + filter-health monitor
Remote access	Encrypted tunnel – first 12 months included	Power	220 V AC, ≈ 2–3 W idle
Outputs	3 × 20 A relays – pump · light · heater	Enclosure	IP65 wall-mount, 220 × 170 × 90 mm

WHAT YOU GET

In the box, per SKU

- Pre-wired IP65 controller enclosure
- 316 SS thermowell + waterproof temp probe
- Sealed cable glands for pump, light and heater outputs
- On-board pump current transformer – no extra meter required
- Installer quick-start guide (UI, MQTT, remote access)

TRADE ENQUIRIES

Become a reseller.

Reseller terms and OEM branding available for installers.

Lead time: 3–5 working days ex-Johannesburg.

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www.si-sa.co.za