

SPARKMED AIR ENGINEERING

SMACS Pro-X Controllers

The SMAC Pro-X is an intelligent, plug-and-play controller engineered specifically to maintain precise relative humidity (RH) and temperature in textile manufacturing. Optimize yarn quality, eliminate static, and slash energy costs automatically.

Core Features & Capabilities

01. Instant Connectivity

Features built-in GSM or LAN modules for effortless network pairing. Dual option high-gain GSM (SIM-based) and standard RJ45 LAN connectivity. No complex IT infrastructure required.

02. Mobile-First Monitoring

Track and manage your entire humidification plant directly from your smartphone via our dedicated mobile app with at-a-glance color-coded dashboards and remote override setpoints.

03. Modernization & Upgrade

Seamlessly upgrade existing old controllers without affecting day-to-day mill operations. Drop-in replacement for legacy hardware ensuring zero downtime during installation.

04. Multi-Zone Environmental Control

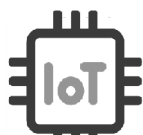
Automatically balances moisture levels across Mixing, Blowroom, Carding, Combing, Speed Frame, Ring Frame, and Winding departments with PID loop control.

Why Upgrade to SMAC Pro-X?

Experience up to 30% reduction in auxiliary power wastage while maximizing fiber elongation properties, minimizing snap occurrences, and safeguarding overall yarn integrity across continuous shifts.



ISO Certified



Industry 4.0



Mobile App

Technical Specifications

FEATURE	SPECIFICATION / CAPABILITY
Connectivity	Dual Option: High-gain GSM (SIM-based) or Standard RJ45 LAN
User Interface	High-resolution local HMI touchscreen + Remote Mobile Application
Data Visualization	Real-time graphs for RH%, Temperature (°C/°F), and Energy Consumption
Control Logic	Proportional-Integral-Derivative (PID) for ultra-stable climate control
I/O Capacity	Expandable channels for analog sensors (4-20mA / 0-10V) and digital relays
Enclosure Rating	Dust-proof, lint-resistant industrial casing optimized for textile environments



CONTACT US

SparkMed Lifesciences Private Limited
33B, Dhanabal Layout 3rd Street, Uppilpalayam PO,
Singanallur, Coimbatore – 641 005, Tamil Nadu, India
Email: info@sparkmedls.com | Web: www.sparkmedeng.com

Phone: +(91) 98942 24950 / +(91) 99947 42020
Support: 24 × 7 Service Response Available