

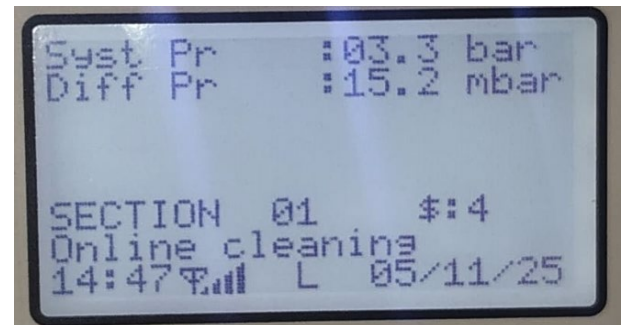
Description

The SCA1691 Controller is a compact, economical, and durable solution for efficient filter cleaning control, designed specifically for small dust collector & Process applications.

Built with advanced microprocessor technology, the SCA1691 delivers precise and reliable performance for dedusting filter systems. Its robust solid-state construction ensures long-term durability and dependable operation, even in demanding industrial environments.

Featuring an intuitive 16x8 character LCD display and easy-to-use menu keys, the SCA1691 makes configuration and operation simple for both installation and maintenance teams.

Additionally, the system supports remote control operation, providing flexibility and convenience in monitoring and management



Key Features

- Advanced microprocessor-based control system
- Rugged solid-state design for superior reliability
- Easy installation and user-friendly operation
- Clear 16x8 character LCD display with intuitive menu navigation
- Ideal for small dust collector & Process applications
- Advanced valve diagnostics (wire break & short-circuit detection)
- Advanced Burst Bag Monitoring Technology (Max 4no's BBD sensor)
- Automatic Background Cleaning function ensures continuous and efficient filter maintenance – even during idle or light-load operation
- Password-protected system parameter settings for secure configuration

Technical Specifications

Input Voltage	AC: 100/240 V @ 50/60 Hz. DC: 24 V
Output Voltage	AC: 100/240 V @ 50/60 Hz (same as input).DC: 24 V (Optional voltage 24VAC)
No of Solenoid valve outputs	16 Channel (addon of max 96 outputs)
Power Consumption	Without output 2.5 VA. Output: 25 VA / AC or 30 W / DC.
Display	8 Line, 16 words LCD Display
Enclosure	MS or SS
Protection Rating	IP 65 & NEMA class
Pulse time	50msec to 999msec
Pause time	5-99 sec
Differential pressure input	DP transmitter (optional: inbuilt DP sensor)
Pressure input	Pressure transmitter
Communication to PLC	Hardwire signal (2DO, 7DI & 2AI) or Serial Communication (Profibus DP or Ethernet IP or ProfiNet or DeviceNet)
Fuse	500mA delayed 110V/230Vac
Cleaning Mode	DP Mode / Timer Mode Cleaning / After-Cleaning Mode (Optional: Includes BBD Logic)
Temperature	Storage: 0°C TO 70°C. Operating: 0°C TO 55°C
Certificate	CE,UL,CSA