

# SUPERVISOR II DELUXE



## Supervisor II Deluxe Microprocessor Controller

The Sullair Supervisor II is a microprocessor-based controller, monitor and annunciator that utilizes state-of-the-art technology. The unit replaces mechanical and electro-mechanical gauges and switches.

The Supervisor II is computer compatible. In addition to local display, it also permits two-way communications of all data and functions remotely through a computer interface, or off-site through a modem. As an added advantage, the Supervisor II enables your compressor to be integrated into computer-based preventive maintenance programs.

### *Functions display available in five languages*

Continuous alpha-numeric display of essential functions is available in English, Spanish, German, French or Italian; and in English or metric units.

### *Schematic diagram of compressor system*

Easy-to-read schematic diagram of the compressor package system shows each point of continuous measurement and monitoring.

### *Continuous display points*

The following points are displayed without selection: line pressure after MPC valve, discharge temperature from unit, load status, power on.

### *Touch pad display points*

The following points can be displayed by pressing the appropriate touch pads: unit discharge pressure, fluid injection pressure, air/fluid separator Delta P, fluid filter Delta P, fluid injection temperature, hours run, hours loaded, lamp test, fault log of last 2 faults.

### *Flashing maintenance indicator*

A flashing LED on the schematic diagram and a corresponding message display indicate the following maintenance points: high air intake filter Delta P (not on ES-8), high fluid filter Delta P (not on ES-8), high air/fluid separator Delta P.



### *Touch pad for operation ranges*

The touch pad fascia panel allows selection of desired readings and programming of the following operation ranges: load pressure, unload pressure, unload time to stop, drain time duration (deluxe version), drain time interval (deluxe version), Wye Delta transition time, language selection, manual or automatic mode, English or metric units. Other parameters are factory pre-set.

### *Flashing protection shutdown indicator*

A flashing LED on the schematic diagram for the initial fault, a corresponding message

display and an audible alarm (which may be cancelled manually) indicate shutdown for the following: high unit discharge pressure, high unit discharge temperature, main drive motor overload, cooling fan motor overload on air-cooled models (not on ES-8), low water pressure on water-cooled models, sensor malfunction.

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**Standby mode indicator**

When the machine is in the automatic mode but is not running, a "standby mode" message is displayed.

**Auto-Restart**

After power failure, Supervisor II will return the compressor to its previous condition after power is restored, if enabled.

**Permissive start**

In the automatic mode, receiver pressure must be below a preset value to permit start-up and for auto-restart after power failure.

**RS485 communications port**

This standard port allows two-way communications for remote input of desired operating parameters and output of actual readings.

**Input power range**

Voltage: 115 (94 to 127)  
VAC Input frequency: 47 to 63 Hz  
Operating temperature range:  
0 to 60°C (140°F).  
Humidity: 0 to 95% non-condensing

**Display panel**

Surface material: Polycarbonate film  
Message display:  
2 line x 8 character back lit liquid crystal  
Overall dimensions:  
208 mm H x 196 mm W x 66 mm D  
NEMA 12, 4X front panel

**Data link**

RS485 2 wire termination  
Baud rate: User selectable from  
1200 to 9600 baud

**Input signal requirements**

Analog pressure signals 1 to 5 VDC  
Analog temperature signal 100 ohm platinum RTD with DIN 43760 curve and a temperature coefficient of .00385.

**UL & CSA recognized device**

UL file number E153584



Sullair offers several compressed air products that comprise the Sullair System. The System includes oil-free and lubricated air compressors, dryers, filters and related accessories, designed to deliver peak performance and energy efficiency.



[www.sullair.com](http://www.sullair.com)

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