



Digital Controller DC-4885P

The all new DC-4885P Digital Controller sets new standards for baghouse automation.

The DC-4885P is a micro-controller based dust collector controller used in dust extraction and collection systems to prevent dust waste emissions into the work place and local environment. The DC-4885P TRIAC (ac) or transistor (dc) outputs are normally connected to solenoid valves which are operated in sequence to perform dust collector cleaning cycles. A cleaning cycle is triggered by the inbuilt Pressure Sensor and also by the periodic Auto-Cycle.

There are up to 10 outputs on the motherboard, with expansion capabilities of up to 40 outputs using plug-in 10 stage expansion cards. Programming is performed using the inbuilt keypad and backlit LCD display.

The Digital Controller is designed to operate on 230Vac, with an option for 110Vac or 24Vdc operation. The outputs switch the active of the power supply.

New Features for 2009

DC-4885 Current Loop Output Option

This feature provides a current output (4 – 20 milliamps) for external monitoring or logging of the instantaneous system differential pressure. The output is a true two-wire interface and delivers a 4 to 20 mA output signal proportional to differential pressure representing the kPa output reading from the inbuilt pressure sensor. The Current Loop can be connected to a suitable Programmable Logic Controller (PLC) or Data Logger. A remote relay can also be connected to stop (pause) or run (resume) the cleaning cycle.

DC-4885 RS-485 Remote Control Option

This feature provides full bi-directional remote control of the DC-4885P allowing full integration of the Digital Controller into Supervisory Control & Data Acquisition (SCADA) / plant control networks. The internal two wire, half duplex RS-485 card (9600 baud, 8N1) is programmed with the Modbus protocol (P-MOD) with each output individually addressable and all Controller events accessible.

