

16-outlet "Light" air distribution section

The section consists of a standard 19" rack that contains all the pneumatic and electronic circuits to feed 16 cables or wave guides. Once the section has been programmed by means of a data interface, it can work in complete autonomy as it is managed by an internal microprocessor, alternatively it can work connected to one of our control sections. In the "Light" system, the pressure is the same for all 16 cables and can be set manually.



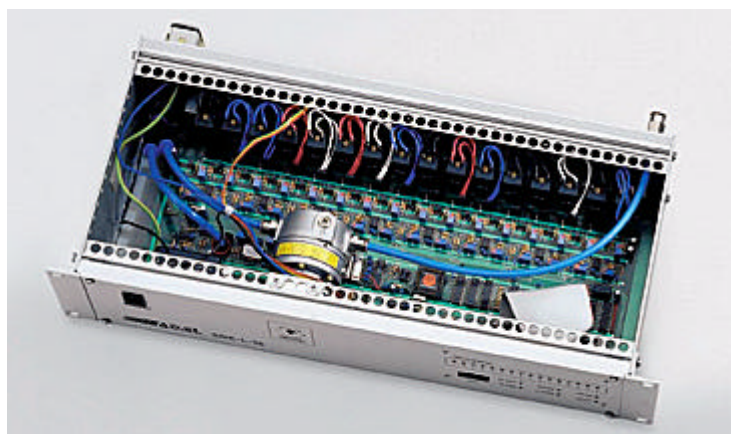
manually.

The section contains a set-pressure measurement sensor and 16 flow absorption measurement sensors (one per outlet); the flow and pressure measurements are constantly compared to the minimum and maximum threshold values set in order to generate alarms. Each outlet is also fitted with a

solenoid valve that individually enables and disables the feeding of every cable. In addition to the ON switch and the pressure regulator, the front has 16 three-colour LEDs that indicate the status of each outlet (open, closed, alarm, timed closure) and 6 other general status LEDs.

The rear panel has the power-supply connector, data interface connector, air inlet, and the 16 rapid attachment outlets.

All the functions (threshold programming, outlet enabling/disabling, timed closures, measurement readings, etc.) are performed by means of a serial data interface.

**Main features:**

Size:	19" rack, 2 units high, 250 mm deep
Power-supply:	48/60 V DC 1.6 A max
Inlet pressure:	1200 to 2000 hPa
Outlet pressure:	adjustable from 0 to 999 hPa
Flow measurement:	0 to 400 Litres /hour for each cable
Data interface	RS485 to 9600 bit/s