

# SAR 410

## DIGITAL ROOM CONTROLLER

SAR 410 is a room controller that controls incoming air flows while maintaining the desired pressure ratio of the room in relation to the surrounding spaces. The controller analyzes data on the air volumes and alarms of fume cupboards, target exhausts and supply air controls using both analog and digital buses (RS 485).

Setting values are entered and changes are made via a digital bus.

Can be connected to one room controller a total of 31 fume cupboards, supply air control dampers and general exhaust control dampers. In addition, 4 target removal measuring bodies and 3 limit switch data from target removals can be connected.

Sar 410 can be connected to the Modbus RTU bus using the optional MB20 connection unit.

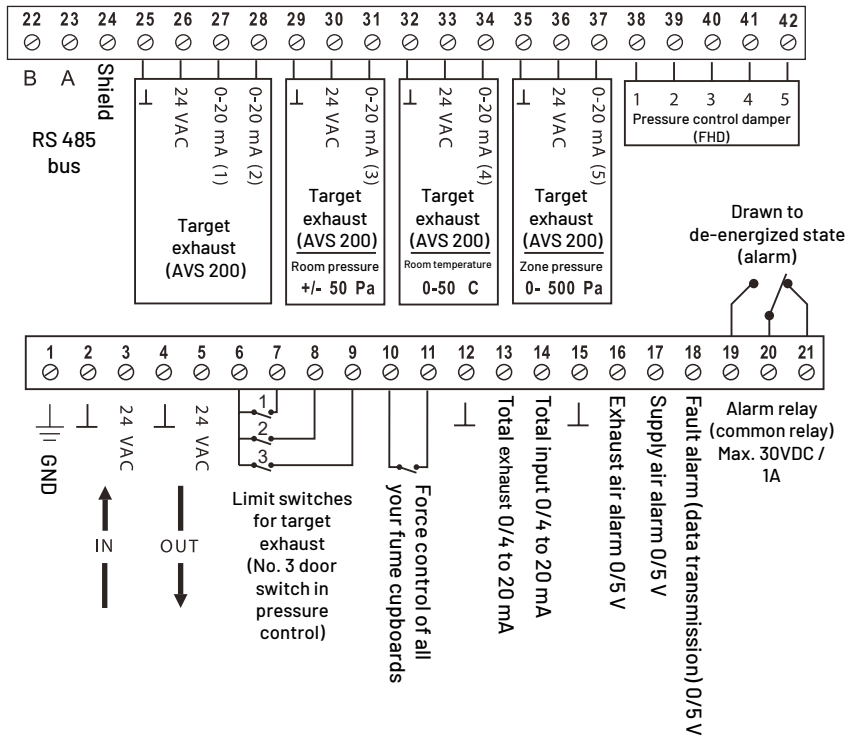


Dimensions: 180 x 130 x 60 ( L x B x H )

## TECHNICAL INFORMATION

Operating voltage	24 VAC 15%, 50-60 Hz
Power consumption	10 VA
Ambient temperature	10 to 40°C
Encapsulation	Polycarbonate, IP 65
Max exhaust air volume	Off / 0-32000 m / h
Min. Exhaust air volume	Off / 0-8000 m / h
Exhaust/income balance	± 0-3000 m/h
Temperature max. restriction	15 to 30°C
Accuracy	± 2% (of set value)
Response time	Max. 0.5 sec.

## CIRCUIT DIAGRAM



## SYSTEM DIAGRAM

