ACU 200 - 400

DIGITAL VAV - ADJUSTMENT DAMPER

General applications:
Adjustment of supply / universal exhaust air. Only connectable to FL205 system.

ACU 200 - 400 is a bus-controlled variable airflow control damper.

The actuator includes a speed sensor, a motorized control damper and a control unit.

The structural material is aluzinc steel.

The ACU control damper is controlled by the room controller SAR 410 along the RS 485 bus.

TECHNICAL INFORMATION

Operating voltage	24 VAC 15%, 50-60 Hz
Power consumption	7 VA
Incoming/outgoing messages	From the controller SAR 410 RS on the bus
Operating time	3 sec.
Duct dimensions	Diam. 200/250/315 and 400 mm
Material	Aluzink AZ 185
Encapsulation	Powder-coated steel, IP 20

DESCRIPTION OF FUNCTIONS

The ACU control damper consists of a motor, a speed sensor, a control unit and a damper part. The air flow is achieved regardless of the duct pressure and the position of the damper.

The control damper can be installed in all positions, but we recommend installation where the slat axis is horizontal.

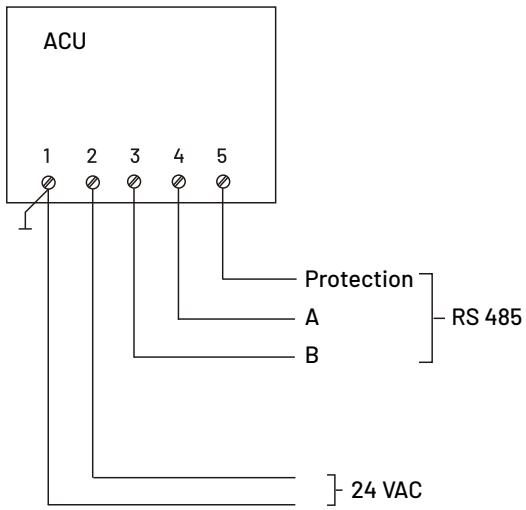
INCOMING MESSAGE - AIR FLOW

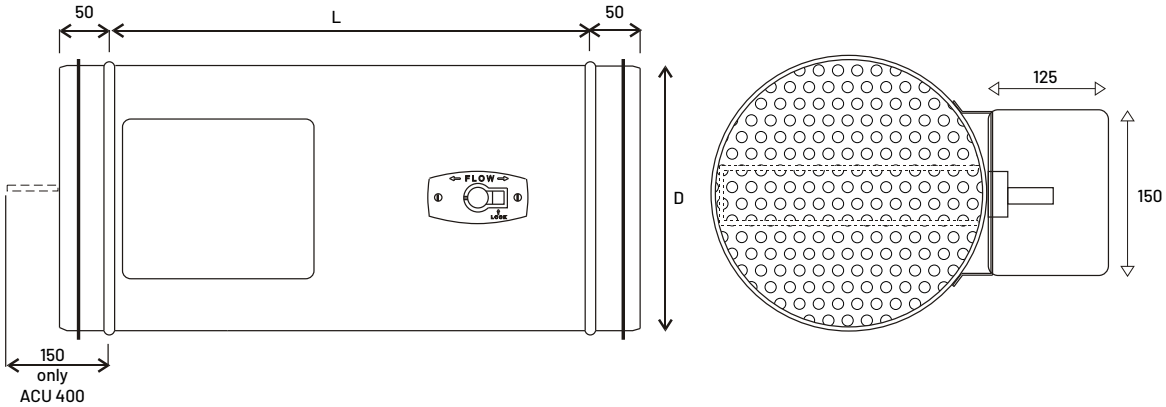
ACU 200; 0-10 m/s = 0-1125 m³/h
ACU 250; 0-10 m/s = 0-1750 m³/h
ACU 315; 0-10 m/s = 0-2800 m³/h
ACU 400; 0-10 m/s = 0-4500 m³/h

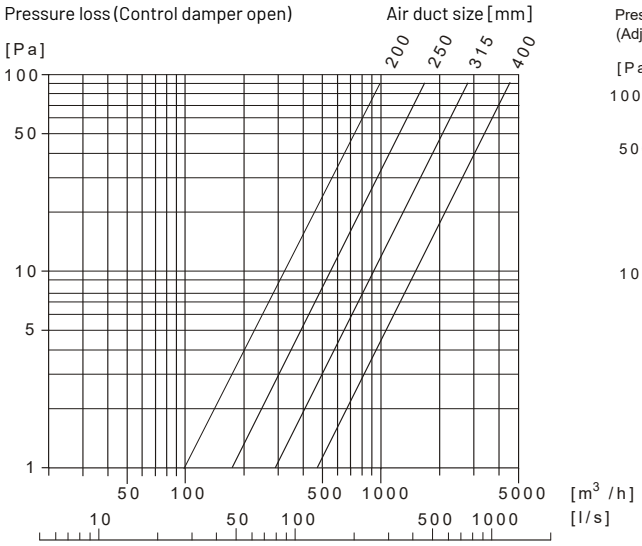
DIMENSIONING [mm]

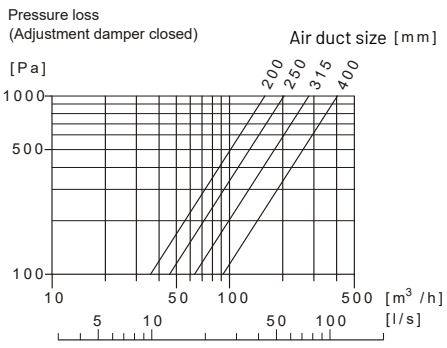
ACU 200	L=450	D=200
ACU 250	L=450	D=250
ACU 315	L=500	D=315
ACU 400	L=550	D=400

CIRCUIT DIAGRAM









AIRFLOW RECOMMENDATIONS

ACU / AVM	l/s (1...7 m/s)
200	30 - 250
250	50 - 350
315	80 - 600
400	130 - 850

AVR: choose the largest possible duct size without going below the lowest air flow

AVM: select the smallest possible channel size

Attention! Choose the device at most one duct size smaller / larger than the associated air duct!