AVC

Description

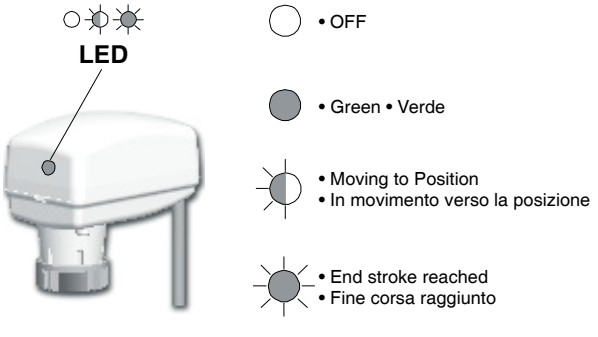
The AVC series provides floating or proportional control in HVAC applications. The compact design of this actuator makes it suitable for installation in confined spaces, such as fan coil, chilled ceiling, manifolds, etc.
The AVC series actuator is designed for field mounting onto VB terminal unit valves.
Due to the innovative concept of different strokes setting the AVC can be installed over most of the terminal unit valve in the market.

Technical specification

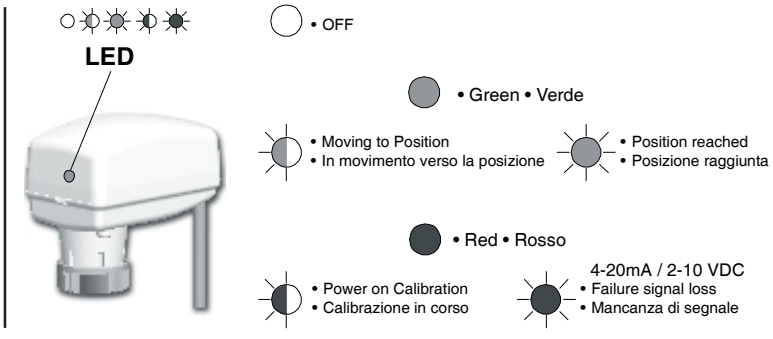
Power supply	230 V AC or 24 V AC/DC, 50-60 Hz
Power consumption	1,5 W for 24 V AC/DC, 2,2 W for 230 V AC
Signal input	0 (2)...10 V / 0 (4)... 20 mA selectable via dip-switches
Force	120 N +30% -20%
Action	floating and proportional
Max stroke	6,3 mm
Actuator speed	8 sec/mm
Connection	Metal ring M30 x 1.5
Cable	1,5 m cable lenght 3 x 0,35 mm^2
Maintenance	Free
Status indications	Internal LED
Protection degree	IP43
Working range RH	non-condensing
Working range °C	0...+50°C
Storage temperature	-20...+65°C
Standards	CE-conformity, RoHS

Models	Power supply	Action
AVC230	230 V AC	floating
AVC24	24 V AC	floating
AVC24M	24 V AC/DC	proportional

LED indicator

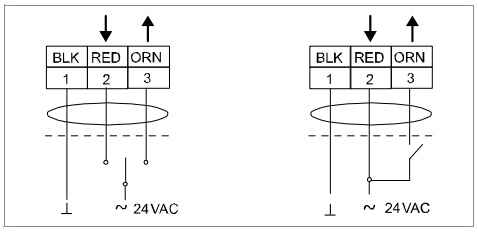


AVC24 **AVC230**

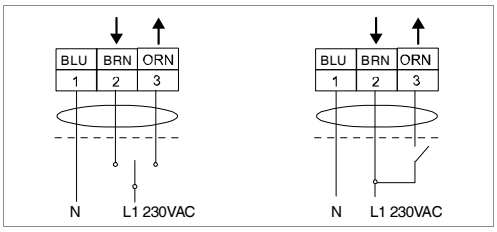


AVC24M

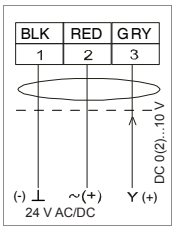
Electrical wiring



AVC24

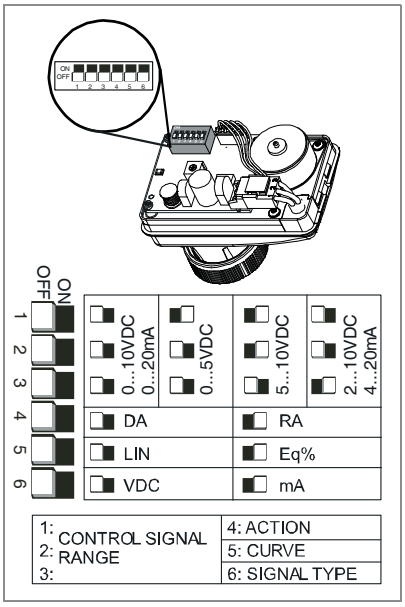


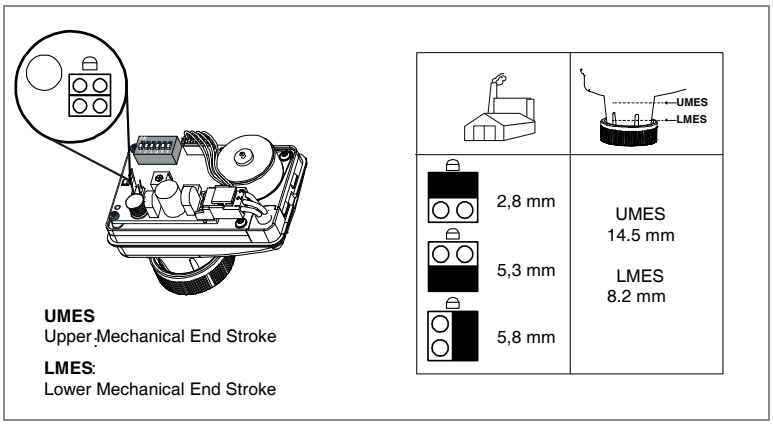
AVC230



AVC24M

Settings for proportional version





UMES
Upper Mechanical End Stroke

LMES:
Lower Mechanical End Stroke

DIP Switch 1, 2, 3, and 6: DIP switch 1, 2, and 3 allow the user to change the analog input ranges. To change from voltage analog input to current analog input set DIP switch 6 accordingly.
DIP Switch 4: DIP switch 4 allows the user to change the action of the actuator in relation to the analog input. DIP switch 4 is off (DA) when the signal increases and the actuator stem extends.
DIP Switch 5: DIP switch 5 allows the user to change the control characteristic of the actuator in order to obtain a combination of valve and actuator Linear or Almost Equal Percentage.
DIP Switch 5 OFF (Linear): When DIP switch 5 is set to Off, we recommend you use the valve with the linear or equal percentage control characteristic.
DIP Switch 5 ON (Almost Equal Percentage): When DIP switch 5 is set to On, we recommend you use the valve with the quick opening or on/off control characteristic.

Dimensions (mm)