

Sash Motorisation



Application

The motorised automatic closure system of the fume cupboard's sash is an automatic device that closes the sash after a certain period of time in the absence of a user in the work area. Detection through curtain by infrared beams. It provides detection even when a user remains motionless in front of the sash, unlike other systems on the market.

Burdinola has integrated components (motor, clutch, control and curtain detector) from top manufacturers, developing a control application that allows these elements to work together, in accordance with point 7.3.4 of the EN 14175-2 standard, making up the new sash motorisation. The configuration of the dragging system allows minimum stress on the supporting cable, so as not to reduce its useful life. The version with manual control may include push buttons or a joystick type lever to operate the raising and lowering operation of the front sash. The motorised closure system combined with the VAV flow rate control system can achieve significant energy savings.

Technical characteristics

Control	
Control unit	Based on a logic module with the possibility of controlling analogue and digital variables, either inputs and/or outputs, it makes it possible to control up to 8 functional variables.
Power source	The module is powered at 24 V DC with a current output of 75 W and is protected by fuses.
Digital inputs	The module has 8 digital inputs.
Digital outputs	The module has 4 relay outputs with galvanic isolation and each relay supports a constant current of 10 A and is capable of disconnecting a maximum of 30 A.
BIRBL infrared curtain	
Power supply	24 Vdc.
Beam source	Infrared IR (940 nm).
Number of channels	7,14,21,28 (depending on configuration).
Active height (mm)	240, 480, 720
Spacing of each channel (mm)	28
Power indicator	White LED.
Connection	8 pin IDC flat cable connector
Cable	3M 8-way flat ribbon cable, width 10.16 mm.
Details of the environment	
Immunity to light at 20° incidence (lux)	> 10.000
Operational temperature	-20 to +55°C.
Storage temperature	-40 to +80°C.
Degree of protection of the module	IP 22
Compliance	CE.

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Detection range	5m.
Parallel beams	16 to 64
Distance between beams	28 or 56mm.
Cable	Flexible..
Connection	From the plug to the controller.
Indicator	Power indicator.
Application	Static and dynamic.

Details / Accessories



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