TEL's innovative auto sash controller for fume hoods maximizes energy savings and provides increased safety for operators by closing the sash automatically when the operator isn't present in front of the fume hood.

A passive infra-red sensor (PIR) constantly monitors the work area in front of the fume hood. When the operator is present the sash can be operated manually via the optional Tiptronic touch sensitive feature or using an optional foot switch. If no movement is detected and the sash opening is clear, the sash will automatically close after a predetermined time. An auto open option is also available.

Auto sash controllers can be used on VAV and CAV fume hoods for increased laboratory safety. They can be fitted to new or existing fume hoods with a choice of three

motor drive systems. A dual auto sash controller is also available to operate on fume cupboards with two sashes including walk in, back to back and side by side sashes.

FEATURES INCLUDE

• Single and dual sash controllers available
• Under sash sensor test feature
• Operator disable feature
• Motor speed setting
• Sensor breaking
• Sash obstruction detection alarm reset
• Increased safety for fume hood operators
• Maximize energy savings and reduce costs

Auto Sash Controller Specifications

	Tiptronic Auto Sash Controller	Options & Features
Power Supply	100-240VAC 50/60Hz 3A	2M Power lead with plug in connector
Keypad	16*2 Backlit LCD display with Pushbuttons	a. UK single gang socket (85mm x 85mm) version b. US single gang socket (3"x2") version
Drive Motor assembly	PWM output DC Motor & Clutch	a. Chain and Sprocket Shaft drive b. Sash wire Pulley drive c. Rack & Pinion sash direct sash drive
Personnel Sensor	PIR with background re-learn function	
Sash Position sensor	Steel wire sprung potentiometer	a. 1M length for Bench type F/C's b. 3M Length for Walk In type F/C's
Sash Sensor	PIR sensor with Glass detection	a. Light Curtain (retro fit & new build types) b. Under the sash retro-reflective (single sensor)
Tilt Switch	Tilt switch input to inhibit controller if access panel is open	
Field Set up	Menu calibration and setup with Password protection	Menu adjustment of motor speed/ time delays etc.
BMS Inputs	4 Programmable Volt free Inputs	a. Open sash b. Close sash c. Fire Alarm (close sash) d. Emergency open/close sash
BMS Outputs	4 Programmable Volt free Outputs 1 x 0-10/1-10/0-5/1-5V (sash position) 1 x 0-20/4-20mA (sash position)	a. Always Open/Closed b. Open/Close on sash fault alarm c. Open/Close on user detected d. Open/Close on obstruction detected e. Open/Close on sash open / closed f. Remote audible alarm
Control Functions	Sash operation	a. Manual sash operation (when user detected) b. Tiptronic "touch sensitive" open/close c. Auto close (unoccupied condition) d. Auto open (pushbutton enable feature) e. Keypad Pushbutton open/close f. Footswitch open/close (optional) g. BMS input open/close
Alarms	Audible / visual indication	a. Obstruction detected b. Sash fault
Status Indication	Keypad LCD display	Sash status (user present/open/closing/closed etc)
Connections	Flying leads with plug in connections	(All cable lengths can be specified) Max 24VDC
Agency Listings	CE RoHS	

Part Number Guide : Auto Sash Controller

BACnet™ Modbus

TEL