

PRODUCT DATASHEET

SHEV Control Panel 20A

For controlling and

powering of smoke ventilator

Technical

Input: 220Vac, 8A

Output : 24Vdc @Max 25A (for two P/N outputs combined)

Consumption: 600W Max.

Working Temp: -10 ~ +50 °C

RH: 10-90%, Non-condensing

Ingress Protection: IP 20

Dimension:

500 * 400 *200 mm (W*D*H)

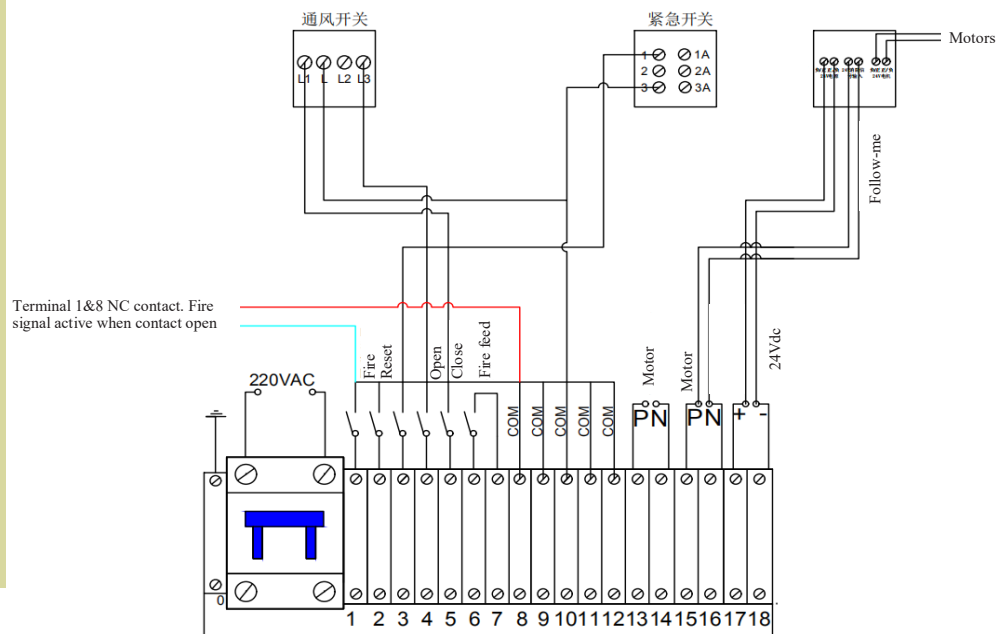
Conform To: GB16808-2006

Part Number: SV.C.20.01.01.CCC



Description

SHEV controller receives input from the fire alarm system as well as the manual control buttons to enable emergency opening of a single smoke zone. It also provides day-to-day inputs for natural ventilation.



Use Instructions

Automatic Mode

1, Set the controller to Auto Standby mode: Switch the 3-position key to Stop and 2-position key to Auto; then connect terminals 1 & 8 with a normally closed contacts (fire signal active on open contact). The Auto, Main Supply and 24Vdc Supply will be illuminated.

2, In standby mode, when a open dry contact signal is applied to terminals 1 & 8 (fire alarm active), the controller outputs +24V on terminals 13 & 14 and 15 & 16, triggering window opening. At the same time, the Fire alarm indicator and buzzer will activate. The 24V output will stop after 180 seconds.

Note: If the Manual/Auto key is switched to Manual Mode when a fire alarm signal is received on terminals 1 & 8, there will be no output from terminals 13 & 14 and 15 & 16, but the Fire Alarm Indicator and buzzer will still activate.

Manual Opening

1, Switch the 3-position key to Open, the controller outputs +24V on terminals 13 & 14 and 15 & 16, opening the windows, and the Run Indicator light turns on.

Manual Closing

1, Switch the 3-position key to Close. If the input signal is maintained for 2 seconds, a close command is triggered, the controller outputs -24V on terminals 13 & 14 and 15 & 16, which drives the actuators to close the windows. At the same time, the Close Indicator light turns on.

Fire Feedback Output

Upon fire alarm, the feedback signal is activated, switching terminals 6 & 7 from NO to NC. The Controller Device indicator turns on.

Auxiliary Control

A 24Vdc output (terminal 17 & 18) is available to supply power to the auxiliary control panel, which has a Follow-me input to receive the switching voltage from terminals 13 & 14 or 15 & 16. When a fire signal is present, the actuators connected to the auxiliary control panel will operate following exactly with the voltage polarity at these terminals in the controller.