

EV-301 interface panel: Instructions for replacing SP-300



DANGER:

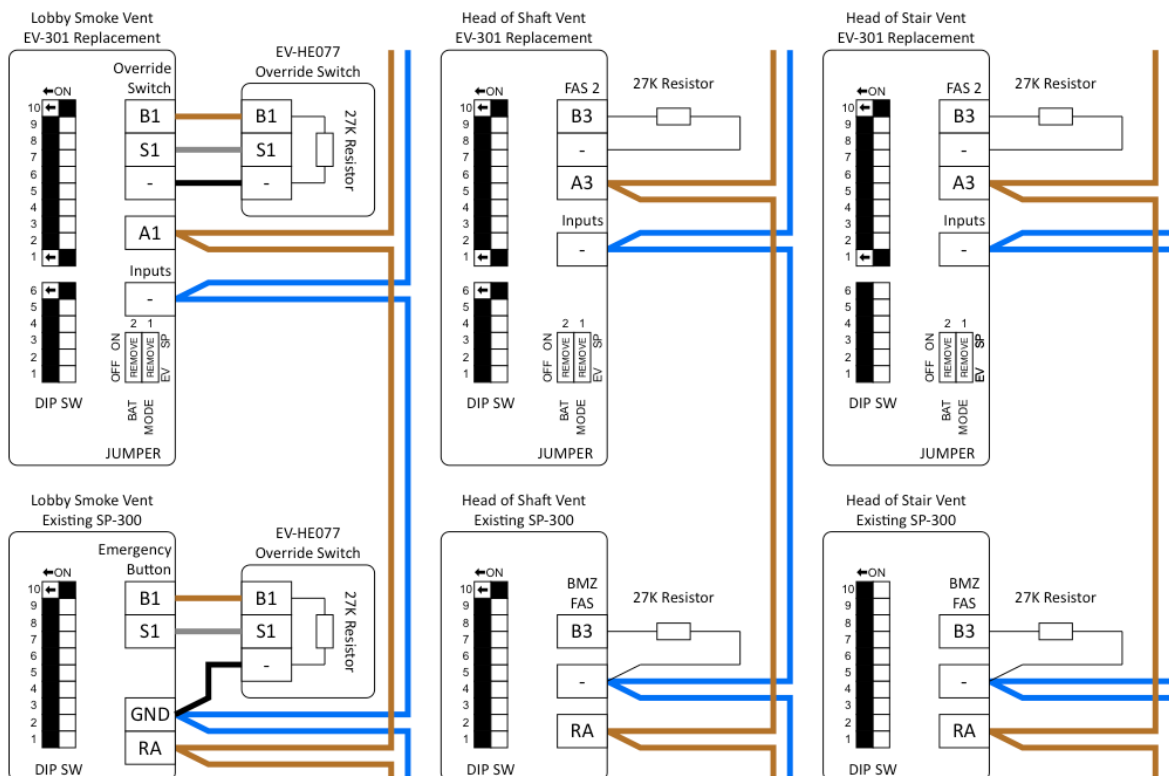
Risk of electrocution. Works on this equipment should only be carried out by a qualified and competent electrical person. Observe all electrical safety regulations and safe systems of work. Check power supply has been isolated or disconnected safely before removing equipment covers.



Instructions:

1. Before removing cover disconnect and safely isolate the mains power supply to the SP-300 panel. Take caution as the panel will remain energised from the batteries.
2. Loosen the four screws and remove the cover. Carefully remove the battery pack by disconnecting the battery connector from the board. This will completely de-energise the panel.
3. Label or identify the existing wiring connections to help with reconnection. Take note of the existing DIP switch settings.
4. Disconnect all cabling and remove the SP-300 panel.
5. Mount the replacement EV-301 in place and re-route the cables through the rear cable entry. Secure the cables using the cable ties against the cable entry teeth.
6. Rewire the 2 core data cable linking between the panels as shown in the diagram for the applicable panel function.

Data cable wiring diagram:



7. Reconnect the remaining cables following the cross-reference table.

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Connection cross-reference table:

SP-300 description	SP-300 terminal	EV-301 terminal	EV-301 description
Emergency button	B1	B1	Override switch
	S1	S1	
	GND	-	
Wind/rain	-	-	Inputs
	E	ES	
	LZ	LZ	
Motor 1	S	S	Motor 1
	G	G	
	O	O	
Motor 2	S	S	Motor 2
	G	G	
	O	O	
Vent switch	E	E	Inputs
	Z	Z	
	A	A	
Smoke detector	B2	B2	FAS 1
	-	-	
	RA	R2	
FAS	B3	B3	FAS 2
	-	-	
	RA	R3	
Contact 1	NO	NO	Contact
	C	C	
	NC	NC	
Contact 2	NO	n/a	Not available
	C	n/a	
	NC	n/a	

8. Remove the two jumper links and set the DIP switches for the panel function as shown in the wiring diagram above.

9. Set the other DIP switches to match the existing configuration:

Dip switch cross-reference table

SP-300	EV-301	Description
SW1-1	SW1-1	Daily ventilation functions
SW1-2	SW1-2	
SW1-3	SW1-3	
SW1-4	SW1-4	
SW1-5	n/a	Signal contact functions *Only programmable by SimonLink or by request with order
SW1-6	n/a	
SW1-7	n/a	
SW1-8	n/a	
SW1-9	SW1-5	FAS automatic reset behaviour
SW1-10	SW1-6	Default vent position on alarm

10. Insert batteries and connect to board.

11. Switch on mains power supply to energise panel.

12. Replace cover and test complete system operation.

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