

Vertical Lift Doors - Jumper Cable Version

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Safety

Read and understand all instructions included in the R-Plus Vertical Lift Doors Installation Manual.

Jumper Cable Design and Function

Electrically operated and/or heated R-Plus vertical sectional doors are equipped with jumper cables that connect door leaf sections together. The jumper cable is used for:

- Bringing power to each section perimeter heater (heated doors)
- Carrying the Safety Edge signal back to the operator (electrically operated doors)
- Carrying the OPEN|STOP|CLOSE signals to the operator (original cable only)

Jumper Cable Design

Jumper Cable assembly includes a cable with a connector on one end and a corresponding receptacle. Through the years, several versions of the cable have been supplied:

Version #	Identification	Comments
1	Black cable w/ 9-pin "AMP-9" male connector Matching female receptacle on lower J-box	All 9 pins wired.
2	Black cable w/ 9-Pin "AMP-9" male connector Matching female receptacle on lower J-box	Only 5 pins wired. OPEN STOP CLOSE not available.
3	Yellow "Turck" cable w/ molded female connector Matching 5-pin male receptacle on upper J-box	OPEN STOP CLOSE not available.

Note: Jumper Cable versions are not compatible with one another. If a new cable version is to be used on an existing door, then the door leaf sections must be rewired.

WARNING: Jumper cable versions 1 and 2 must be installed with the connector facing towards the top of the door. Jumper cable version 3 must be installed with the connector facing toward the bottom of the door.
Failure to install the jumper cables in the right direction can result in electrical shock, injury or death.

Wiring

Versions 1 and 2 (Black)		
Pin	Wire Color	Function
1	Black	Heater – 110V phase
2	Blue	STOP (version 1 only)
3	White	Heater – 110V neutral
4	White/Black	OPEN (version 1 only)
5	Green	Ground
6	Red/Black	CLOSE (version 1 only)
7	Orange	Safety Edge
8	Green/Black	***Spare***
9	Red	Common

Version 3 (Yellow)		
Pin	Wire Color	Function
1	Black	Heater – 110V phase
2	White	Heater – 110V neutral
3	Green	Ground
4	Orange	Safety Edge
5	Red	Common



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