

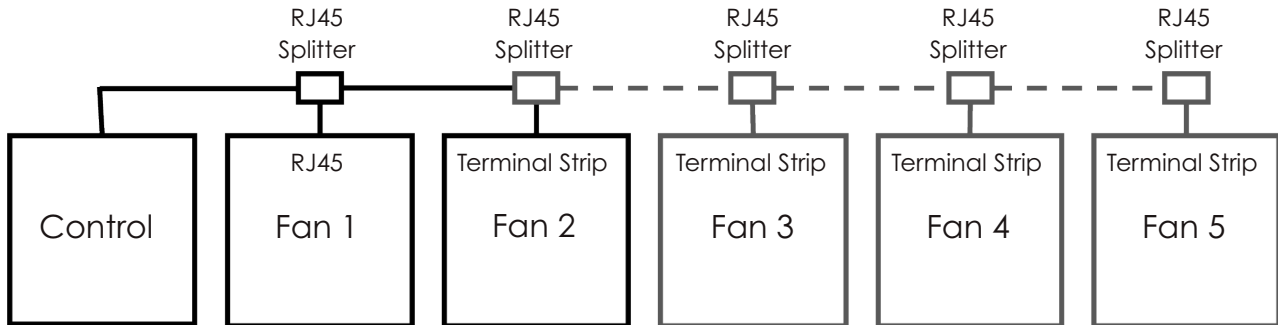
Styles Series Multi-Fan Network Setup

The following changes need to be made to allow use of a multi-fan network configuration.

Network Structure

The Network should be layed out as per the diagram below.

*Note: A splitter is not required for the last fan in the network.



Drive Changes:

DIP Switches:

DIP Switch Usage

DIP Switch Usage	
DIP Switch 1*	Position 1 120 ohm, 1nf termination
	Position 2 680 ohm pullup
	Position 3 122 ohm pulldown
DIP Switch 2	Position 1
	Position 2
	Position 3 MODBUS Address (1-32)
	Position 4
	Position 5
	Position 6 0 = even parity, 1 = no parity
	Position 7 1 = Use Register 27, 0 = 19200 Baud Rate
	Position 8 Not Used

*Position 6 must always be ON

*Position 7 must always be OFF

* DIP Switch 1:

FAN # 1:

Style Series HMI:

When networked with an Style Series HMI (Factory HMI), all DIP switch 1 positions should be set to OFF.

SMART or TOUCH Control:

When networked with a SmartAIR or TouchAIR Control, the first drive address (drive closest to the HMI) must have DIP switch 1, positions 1 & 3 set to ON, and position 2 set to OFF.

All Other Fans:

All other fan drives in the network must have all DIP switch 1 settings set to OFF.

→ DIP Switch 2: Drive Addressing

DiP Switch 2 - MODBUS Address Settings

Fan Number	Address	SWx-1	SWx-2	SWx-3	SWx-4	SWx-5
Reserved do not use	1	OFF	OFF	OFF	OFF	OFF
1	2	ON				
2	3		ON			
3	4	ON	ON			
4	5			ON		
5	6	ON		ON		
6	7		ON	ON		
7	8	ON	ON	ON		
8	9				ON	
9	10	ON			ON	
10	11		ON		ON	
11	12	ON	ON		ON	
12	13			ON	ON	
13	14	ON		ON	ON	
14	15		ON	ON	ON	
15	16	ON	ON	ON	ON	
16	17					ON
17	18	ON				ON
18	19		ON			ON
19	20	ON	ON			ON
20	21			ON		ON
21	22	ON		ON		ON
22	23		ON	ON		ON
23	24	ON	ON	ON		ON
24	25				ON	ON
25	26	ON			ON	ON
26	27		ON		ON	ON
27	28	ON	ON		ON	ON
28	29			ON	ON	ON
29	30	ON		ON	ON	ON
30	31		ON	ON	ON	ON

*Note: Blank cells represent switches in the OFF position.

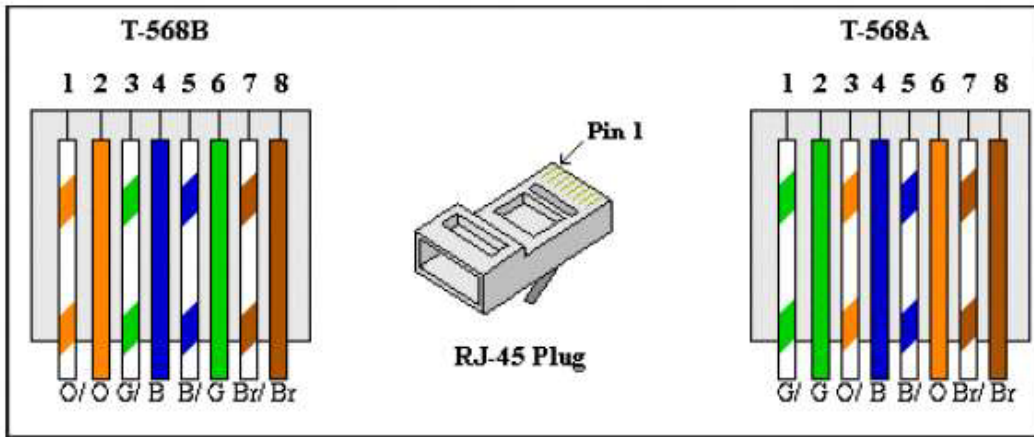
→ Communication Cable Wiring: CAT5 Cable

The CAT5 cable for Fan 1 drive will remain connected to the RJ45 connector in the drive.

All additional drives on the network will need to be connected to the terminal strip by removing the RJ45 connector from the Drive end of the CAT5 cable.

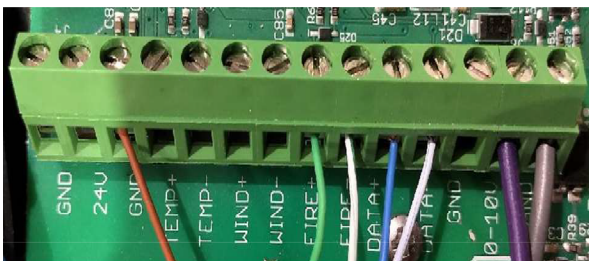
*Note: here are 2 wire configurations of CAT5 cable that could be present in the drive. Examine the wire colours in the RJ45 connector to determine which type of cable is present. See table below to help determine which wire pair is required for the Fire Disconnect circuit.

RJ45 Connector Pinout



PIN	Description	Notes
1	Fire Disconnect -	
2	Fire Disconnect +	Tied to Pin 1 to enable drive
3	No connection	Do not Connect
4	Data + (Modbus) RS485	
5	Data - (Modbus) RS485	
6	No connection	Do not Connect
7	24V (Isolated)	Do not Connect
8	Gnd (Isolated)	

T-568B Terminations



T-568A Terminations

