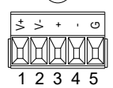
DC Motor Weidmuller Connector Color Code

Included with DC Motor Cable

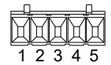
Male Printed Weidmuller Connector



DC Motor Port Wiring Pinout

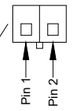
Male Pin #	Function	Female Pin #
1	Power (+)	5
2	Power (-)	4
3	SDN RS485 (+)	3
4	SDN RS485 (-)	2
5	SDN RS485 Ground	1

Female Printed Weidmuller Connector



ST-30 Motor Head Power Pinout

Pin #	Function	Color
1	Power (+)	White with Black Stripe
2	Power (-)	White

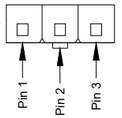


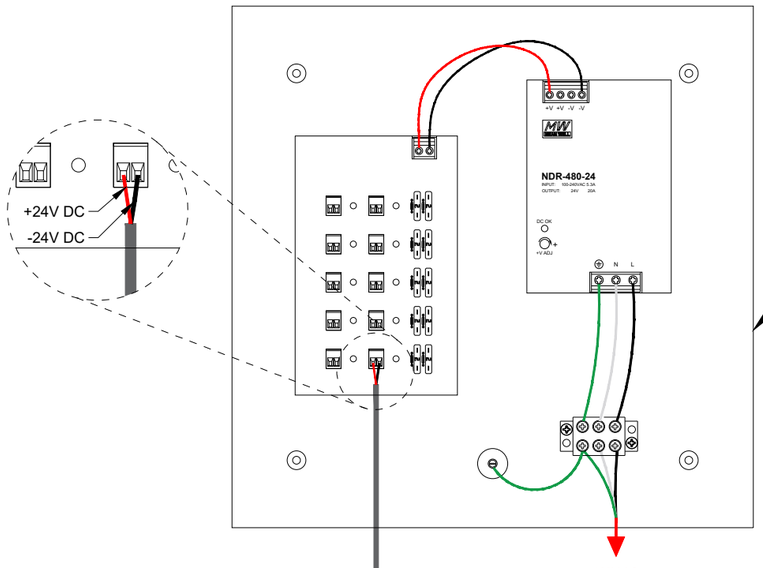
TO ST-30 DC MOTOR

ST-30 DC RS485 Cable Data and Power Pigtail Part #9020261 (Purchased separate from Motor)

ST-30 Motor Head Data Pinout

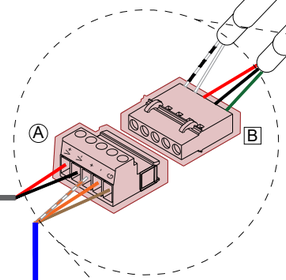
Pin #	Function	Color
1	SDN RS485 (-)	Black
2	SDN RS485 Ground	Green
3	SDN RS485 (+)	Red



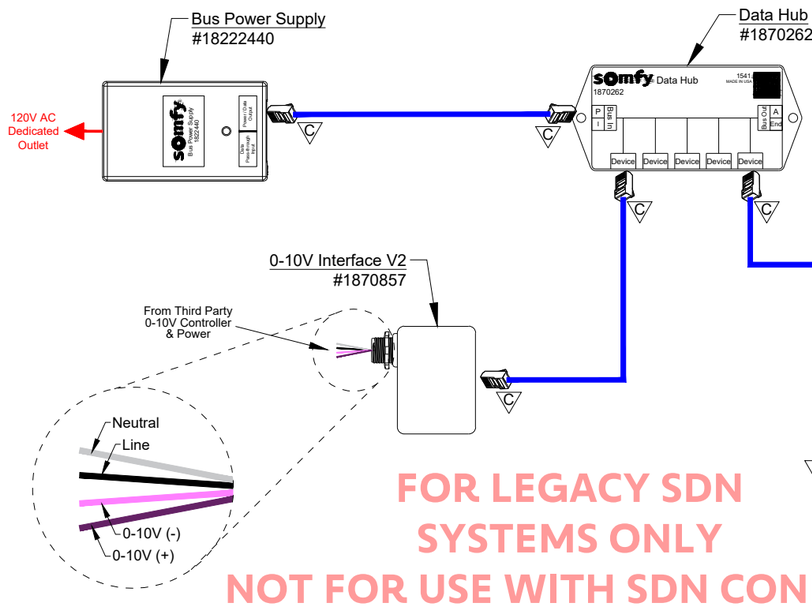


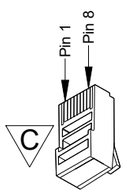
10 Motor Power Distribution Enclosure Kit #1870192
Also compatible with the following models:
5 Motor Power Distribution Enclosure Kit #1870196
15 Motor Power Distribution Enclosure Kit #1870197
20 Motor Power Distribution Enclosure Kit #1870198

2 Conductor Cable
Wiring Distance to Motor:
- 150ft with 16AWG wire
- 100ft with 18AWG wire



- Stub length must not exceed 200'.
- Each Device Output can support Data and Power up to one device.
- Devices include Keypads, RTS Receivers, Somfy Connect LTI or UAI+, Somfy Connect BMS (Data Only), or Motors (Data Only).



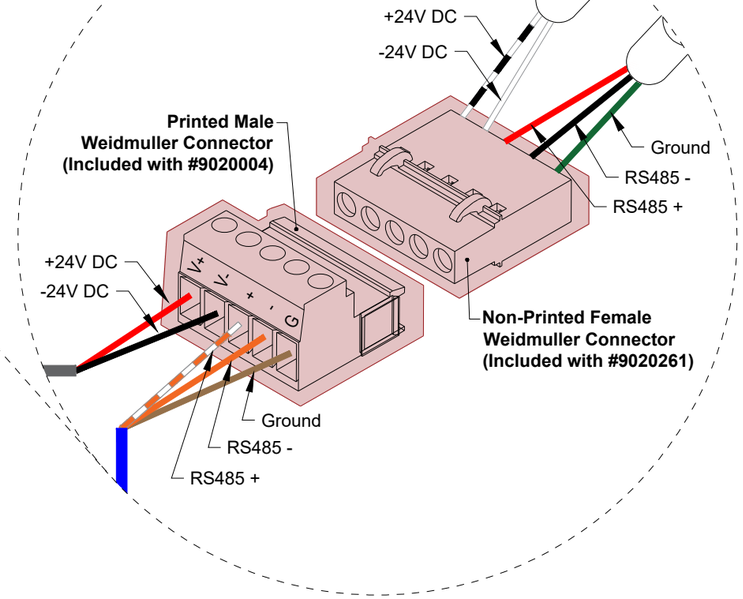


SDN Wiring Pinout

CAT-5e or higher TIA-568B standard with RJ-45

Pin #	Color	Function
1	Orange White	SDN RS485 (+)
2	Orange	SDN RS485 (-)
3	Green White	Reserved
4	Blue	Power 24v DC
5	Blue White	Power 24v DC
6	Green	Reserved
7	Brown White	SDN RS485 Ground
8	Brown	SDN RS485 Ground

FOR LEGACY SDN SYSTEMS ONLY
NOT FOR USE WITH SDN CONNECT



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Date:	10/14/22
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Sales:	N/A
Drawn by:	TS
Checked by:	RV

Revisions

Rev	Date	By	Description
-	--/--/--	-	
-	--/--/--	-	
-	--/--/--	-	
-	--/--/--	-	
-	--/--/--	-	

Dwg Title: 0-10V via Device Port with ST30 DC Wiring to Power Distribution Kits

Dwg No.: 10V-WIRING-03

Project name: Technical Library

Client: Somfy Systems, Inc.

Address: 121 Herrod Boulevard
Dayton, NJ 08810