SDN Wiring Pinout

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

Pin 1 — Pin 8

C

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
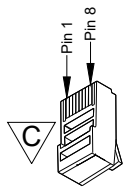
DC Motor Port Wiring Pinout

Male Printed Weidmuller Connector A

Female Printed Weidmuller Connector B

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

1 2 3 4 5

DC Motor Weidmuller Connector Color Code

Included with DC Motor Cable

Included with RS485 Limit Setting Cable

HARDWIRED TO SONESSE® 30 RS485 24V DC MOTOR

24V DC Wall Mount Power Supply #1822209

Wiring Distance to Motor for Power
• 240ft with 14AWG wire
• 150ft with 16AWG wire
• 100ft with 18AWG wire

RS485 Limit Setting Cable Part #9019873 (Purchased separate from Motor)

Bus Power Supply #1822440

Data Hub #1870262
• Stub length must not exceed 200'
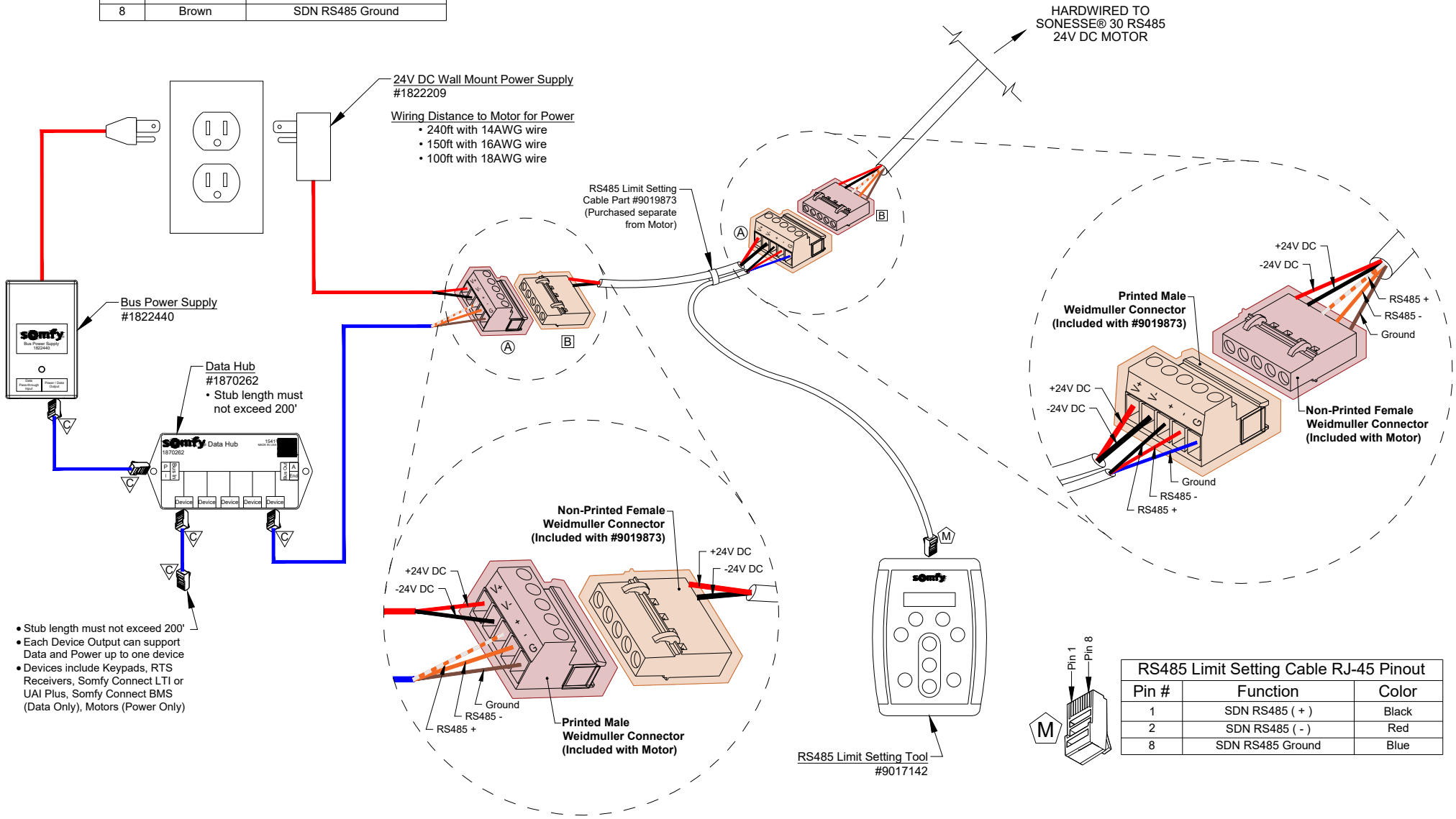
• Stub length must not exceed 200'
• Each Device Output can support Data and Power up to one device
• Devices include Keypads, RTS Receivers, Somfy Connect LTI or UAI Plus, Somfy Connect BMS (Data Only), Motors (Power Only)

+24V DC
-24V DC
RS485 +
RS485 -
Ground

Printed Male Weidmuller Connector (Included with 9019873)

Non-Printed Female Weidmuller Connector (Included with Motor)

+24V DC
-24V DC
Ground
RS485 -
RS485 +

Non-Printed Female Weidmuller Connector (Included with 9019873)

+24V DC
-24V DC
Ground
RS485 -
RS485 +

Printed Male Weidmuller Connector (Included with Motor)

RS485 Limit Setting Tool #9017142

M

Pin 1 — Pin 8

M

RS485 Limit Setting Cable RJ-45 Pinout

Pin #	Function	Color
1	SDN RS485 (+)	Black
2	SDN RS485 (-)	Red
8	SDN RS485 Ground	Blue

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			Revisions	
Date: 01/13/23		Rev	Date	By	Description
Print Size: 8.5" x 11"	-	--/--/--	-	
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Drawn by: RV	-	--/--/--	-	
Checked by: PK	-	--/--/--	-	

Dwg Title: ST-30 V2 Wiring w/ Weidmuller Connector to RS485 Setting Tool & 24V DC Power Supply

Dwg No.: ST30V2-WIRING-03

Project name: Technical Library
Client: Somfy Systems, Inc.
Address: 121 Herrod Boulevard
Dayton, NJ 08810