SDN Bus 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

Pin 1 / Pin 8 C
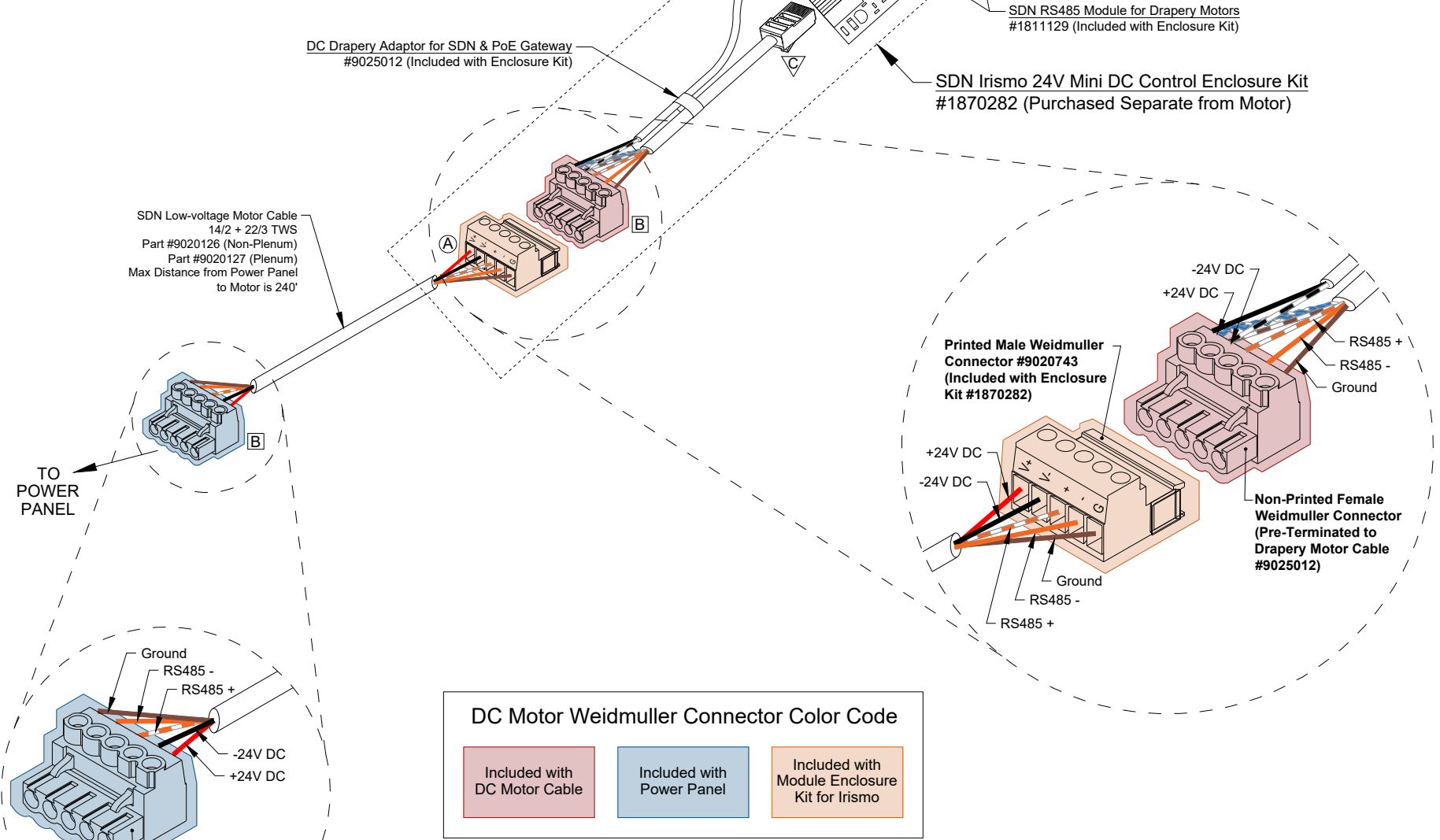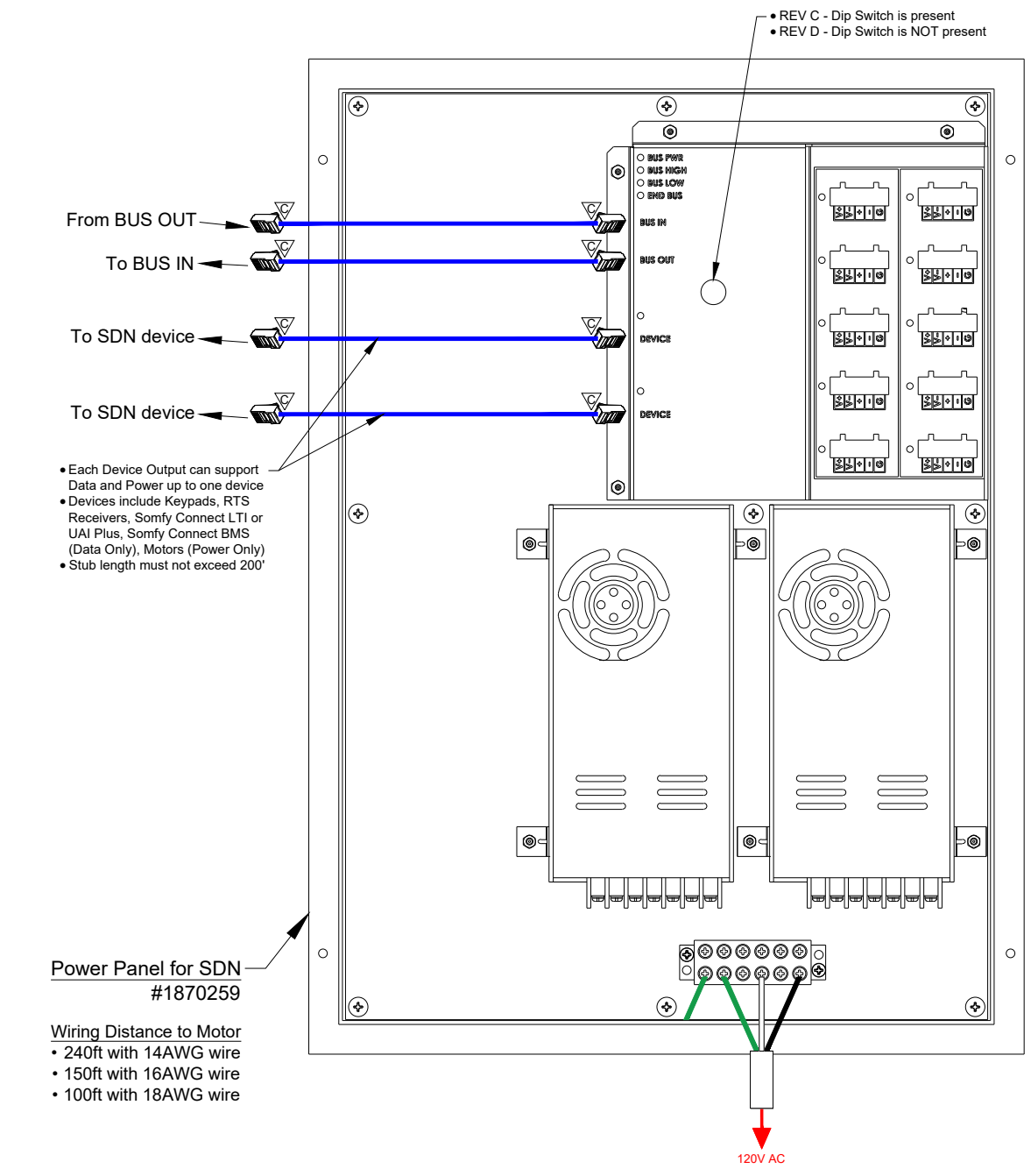
POWER PANEL REVISION NOTES:

REV C -
- Each device port supports 1 device, up to 10 power units.
- Bus Power is required.
- By default bias dip switches are ON. For network segments consisting of more than 5 Panels, only the bias dip switches on the first and last Panel can be ON, all others must be OFF.

REV D -
- Each device port supports 1 device, up to 8 power units.
- A Bus Power Supply is only required if there are bus powered devices on the segment (Data Hub, Data Hub Mini, Somfy Connect UAI Plus).
- Power Panel SDN Device Ports are powered by the Power Panel.

RS485 Module to Drapery Motors Pinout

6 Cond. 26AWG Cable with RJ-12 (Included with Module)

Pin #	Color	Function
1	White	Open
2	Black	N/A
3	Red	Com
4	Green	+5V DC
5	Yellow	Stop
6	Blue	Close

Pin 1 / Pin 6 D

To supported Drapery Motors:
- Irismo 35 (Mini DC) DCT
- Irismo 35 (Mini DC) RTS

SDN RS485 Module for Drapery Motors
#1811129 (Included with Enclosure Kit)

DC Drapery Adaptor for SDN & PoE Gateway
#9025012 (Included with Enclosure Kit)

SDN Irismo 24V Mini DC Control Enclosure Kit
#1870282 (Purchased Separate from Motor)

- REV C - Dip Switch is present
- REV D - Dip Switch is NOT present

○ BUS PWR
○ BUS HIGH
○ BUS LOW
○ BAD BUS

BUS IN
BUS OUT
DEVICE
DEVICE

From BUS OUT
To BUS IN
To SDN device
To SDN device

- 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)
- Stub length must not exceed 200'

TO POWER PANEL

Power Panel for SDN
#1870259

Wiring Distance to Motor
- 240ft with 14AWG wire
- 150ft with 16AWG wire
- 100ft with 18AWG wire

120V AC

SDN Low-voltage Motor Cable
14/2 + 22/3 TWS
Part #9020126 (Non-Plenum)
Part #9020127 (Plenum)
Max Distance from Power Panel to Motor is 240'

Printed Male Weidmuller Connector #9020743 (Included with Enclosure Kit #1870282)

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

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

Non-Printed Female Weidmuller Connector (Pre-Terminated to Drapery Motor Cable #9025012)

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

Non-Printed Female Weidmuller Connector (10 Included with Power Panel)

DC Motor Weidmuller Connector Color Code

Included with DC Motor Cable	Included with Power Panel	Included with Module Enclosure Kit for Irismo

DC Motor Port Wiring Pinout

Male Printed Weidmuller Connector A	Male Pin #	Function	Female Pin #	Female Non-Printed Weidmuller Connector B
	1	Power (+)	5	
	2	Power (-)	4	
1 2 3 4 5	3	SDN RS485 (+)	3	1 2 3 4 5
	4	SDN RS485 (-)	2	
	5	SDN RS485 Ground	1	

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Drawn by:	RV	-	--/--/--	-		
Checked by:	PK	-	--/--/--	-		

Dwg Title: Irismo DC Wiring with Low Voltage Cable & Weidmuller Connector to Power Panel

Dwg No.: IRISMO-WIRING-01

Project name: Technical Library
Client: Somfy Systems Inc.
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