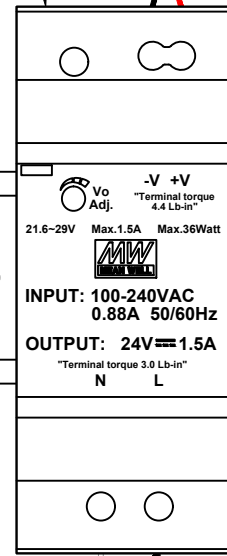


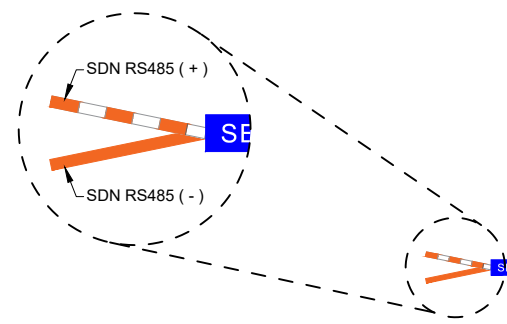
**LOW VOLTAGE**

- 14AWG 2-Conductor Cable, Stranded, Olympic style 3133 or equivalent
- Max distance from DC Power Supply to RS485 Hub is 6" [152mm]

**DRM DC Power Supply 24V 1.5A Part #9017611**



120V AC



**SENSOR BUS**

- Max distance to Exterior Sensor is 787' [240m] using 24AWG CAT-5e F/UTP

To Exterior Sensor

To Sensor INPUT on [Master] TouchBuco

**SENSOR CHANNEL**

- Standard CAT-5e or higher F/UTP
- Daisy chain up to (5) TouchBucos per Sensor Channel
- Designate (1) Master TouchBuco per TouchBuco System
- Max distance per Sensor Channel is 1640' [500m] cumulative
- Each Sensor Channel must end with a 120 Ohm resistor

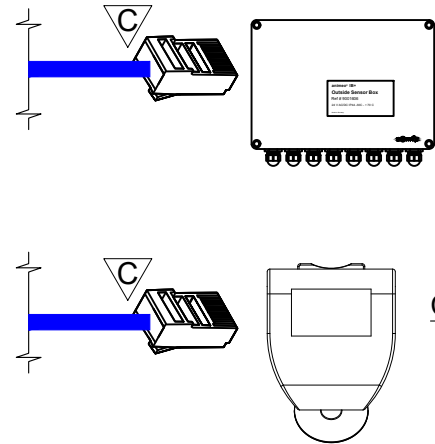
Standard 1.37" [35mm] din rail

**RS485 Sensor Hub Part #9018147**  
\*Requires DRM DC Power Supply #9017611

**SENSOR CHANNEL**

- Standard CAT-5e or higher F/UTP
- Daisy chain up to (5) TouchBucos per Sensor Channel
- Max distance per Sensor Channel is 1640' [500m] cumulative
- Each Sensor Channel must end with a 120 Ohm resistor

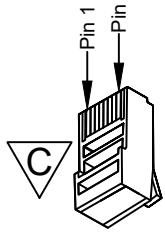
To Sensor INPUT on:  
animeo IB+ 4 Zone TouchBuco #1860254,  
animeo IB+ 8 Zone TouchBuco #1860255  
or next RS485 Sensor Hub #9018747



**Outside Sensor Box: #9001606**  
Max distance from RS485 Sensor Hub is 787' [240m] using 24AWG CAT-5e F/UTP  
Reference Wire Detail OSB-WIRING-01

**Compact Sensor Station: #9015047**  
Max distance from RS485 Sensor Hub is 787' [240m] using 24AWG CAT-5e F/UTP  
Reference Wire Detail CSS-WIRING-01

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



**NOTES:**

- RS485 Sensor Hubs can be daisy chained via Sensor Channel Ports for systems requiring additional Sensor Channels
- Each RS485 Sensor Hub requires DRM DC Power Supply #9017611
- Each RS485 Sensor Hub allows for (5) Sensor CHANNELS; each Sensor Channel must end with a 120 Ohm resistor
- Only (1) RS485 Sensor Hub allows use of the Sensor BUS port to an Exterior Sensor per TouchBuco System
- Max (1) Exterior Sensor per TouchBuco System
- Max (2) Inside Sensor Boxes per TouchBuco System
- Max (5) TouchBucos per Sensor Channel
- Designate (1) Master TouchBuco per TouchBuco System

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Date:	04/20/20
Print Size:	11" x 17"
Scale:	NTS
Sales:	N/A
Drawn by:	RV
Checked by:	TS

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

Dwg Title:  
**animeo IB+ TouchBuco RS485 Sensor Hub Wire Detail**

Dwg No.:  
**AIB-WIRING-03**

Project name:  
**Technical Library**

Client:  
**Somfy Systems**

Address:  
**121 Herrod Boulevard  
Dayton, NJ 08810**