

SDN Room Hub



OVERVIEW:

The SDN Room Hub is a Somfy Digital Network™ (SDN) component which features 4 motor ports and 1 control device. This product is powered by line-voltage (AC) SDN RS485 motors and does not require a BUS power supply. Control devices include an SDN keypad or Radio Technology Somfy® (RTS) receiver. Motors and controls can be wired up to 200ft away from the hub. Up to 2 hubs can be connected together, allowing for a maximum of 7 motors to be operated on one control. The SDN Room Hub creates an isolated SDN network that is not integratable into 3rd party controls or other SDN systems.



SOMFY DIGITAL NETWORK SYSTEM OVERVIEW:

Somfy Digital Network (SDN) is Somfy's intelligent wired shading network. An SDN system is comprised of bus distribution devices that create a network for user interfaces, motorized applications and sensors to be connected. SDN is scalable, and suitable for both small and large projects, and the same components are used whether an SDN system remains standalone.

TECHNICAL SPECIFICATIONS:

- Power Input: 24V DC from line-voltage (AC) RS485 motors
- Power Consumption: 1 SDN Power Unit, 10 mA
- Material: ABS (Colour: Bone)
- Operating Temperature Range: Ambient temperature
- Dimensions: 3.03" L x 2.09" W x 0.90" H
- Maximum Wiring Distance: 200ft per port
- Shipping Weight: 1 lb.
- Indoor use only

FEATURES SUMMARY:

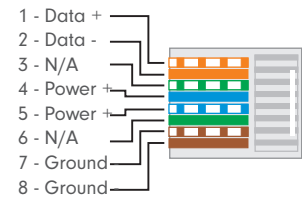
- Creates an isolated SDN room control of 4 motors using 1 device port. (SDN Power is provided by line-voltage (AC) motors using Grey motor cables)
- Powered by the SDN RS485 motors using Grey Communication Cables
- Includes bus segment status LEDs for:
 - Power
 - Communication
 - End of line notification
- Uses RJ45 connectors

WHAT'S IN THE BOX:

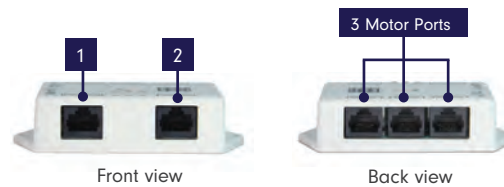
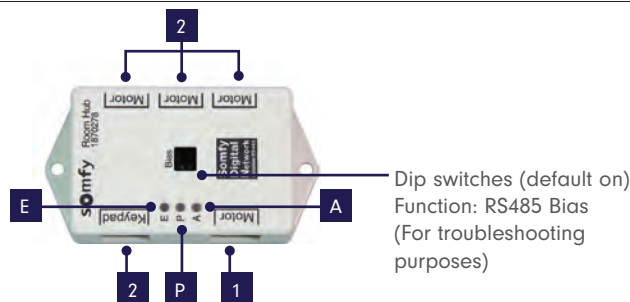
- SDN Room Hub

CABLE PINOUTS:

SDN Cable Pinout: (RJ45 connector)
ANSI/TIA/EIA 568-B Standard



CONNECTIONS AND INDICATORS:



ELEMENT	FUNCTION
1 Device Port	1 device port used to connect a DecoFlex Digital Keypad or RTS Receiver for SDN
2 SDN Motor Ports	Output for motor commands to a maximum of 4 RS485 motors

LED Indicators				
LABEL	ELEMENT	COLOUR	FUNCTION ON	FUNCTION OFF
A	Data Activity	Green	Flashes when transmitting data	
P	Bus Power	Red	Power	No Power
E	End (end of line)	Yellow	End of Bus	NotEnd of Bus

