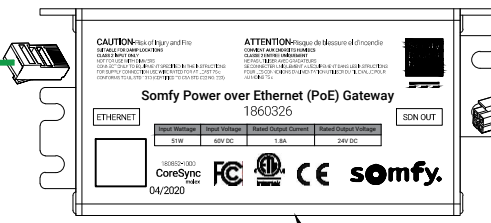
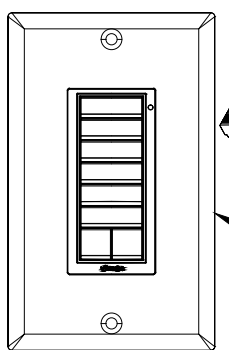


Power over Ethernet Switch
(Must support LLDP & be a Cisco UPoE compliant device)

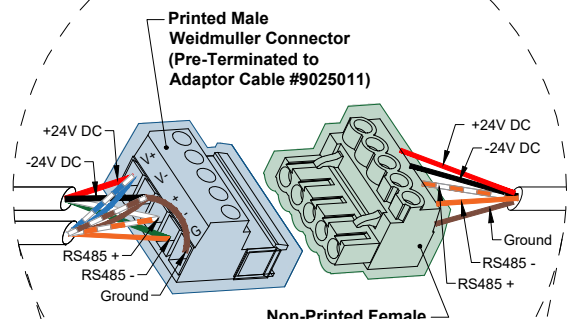
- Unshielded Twisted CAT-5e or higher (PowerWise 1G 4PPoE Indoor/Outdoor Cable recommended)
- TIA-568B Standard with Plastic RJ-45 Connectors
- Max Distance from Switch is 328'



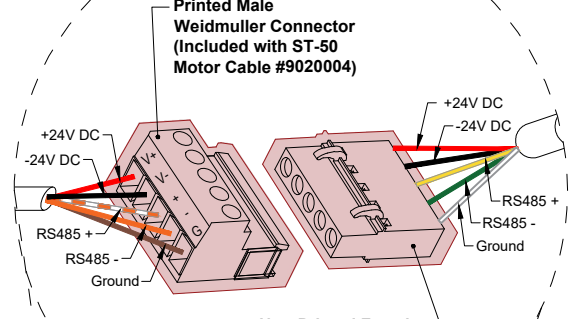
SDN Power over Ethernet (PoE) Gateway #1860326



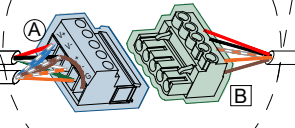
animeo IP DecoFlex Digital 8-Button Keypad
#1811289 - White
#1811329 - Black
#1811333 - Ivory
(Purchased Separate from PoE Gateway)



Printed Male Weidmuller Connector (Pre-Terminated to Adaptor Cable #9025011)
Non-Printed Female Weidmuller Connector #9025113 (Purchased Separately)

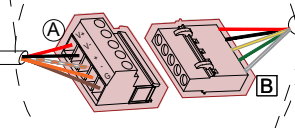


Printed Male Weidmuller Connector (Included with ST-50 Motor Cable #9020004)
Non-Printed Female Weidmuller Connector (Pre-Terminated to ST-50 Motor Cable #9020004)

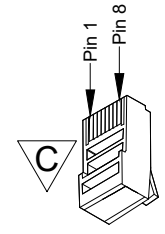


PoE Gateway to Motor & Keypad Adaptor #9025011 (Purchased Separately)

SDN Low-voltage Motor Cable 14/2 + 22/3 TWS #9020126 (Non-Plenum) #9020127 (Plenum) Max Distance from PoE to Motor is 240' (Purchased Separate from PoE Gateway)



ST-50 DC RS485 Cable Data and Power Pigtail #9020004 (Included with Motor)



| 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 |

| ST-50 Motor Head Data Pinout | | |
|------------------------------|------------------|--------|
| Pin # | Function | Color |
| 1 | Power (+) | Red |
| 2 | Power (-) | Black |
| 3 | NC | - |
| 4 | SDN RS485 (-) | Green |
| 5 | SDN RS485 (+) | Yellow |
| 6 | SDN RS485 Ground | White |

TO ST-50 DC MOTOR



| DC Motor Weidmuller Connector Color Code | | |
|--|--|----------------------|
| Included with DC Motor Cable | Included with PoE Gateway to Motor Adaptor Cable | Purchased Separately |

NOTE:

- PoE Gateway can control up to four Motors.
- PoE Gateway moves the ST-50 Motors connected one at a time.
- Caution when mounting PoE Gateway to metal surfaces or pockets. Gateway must be isolated from possible earth or building electrical grounding, as well as from other Gateways.
- PoE Gateway allows control by one Keypad per unit.

| DC Motor Port Wiring Pinout | | | |
|-----------------------------|------------------|--------------|---------------------------------|
| Male Pin # | Function | Female Pin # | |
| 1 | Power (+) | 5 | [Diagram of Female Connector B] |
| 2 | Power (-) | 4 | |
| 3 | SDN RS485 (+) | 3 | [Diagram of Female Connector B] |
| 4 | SDN RS485 (-) | 2 | |
| 5 | SDN RS485 Ground | 1 | |

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| Date: | 05/20/21 | Rev | Date | By | Revisions | Description |
|-------------|-----------|-----|----------|----|-----------|-------------|
| Print Size: | 11" x 17" | - | --/--/-- | - | | |
| NTS: | NTS | - | --/--/-- | - | | |
| Sales: | N/A | - | --/--/-- | - | | |
| Drawn by: | RV | - | --/--/-- | - | | |
| Checked by: | PK | - | --/--/-- | - | | |

Dwg Title:
PoE Gateway with Single ST-50 DC Motor & Keypad Wire Detail
Dwg No.:
POE-WIRING-09

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