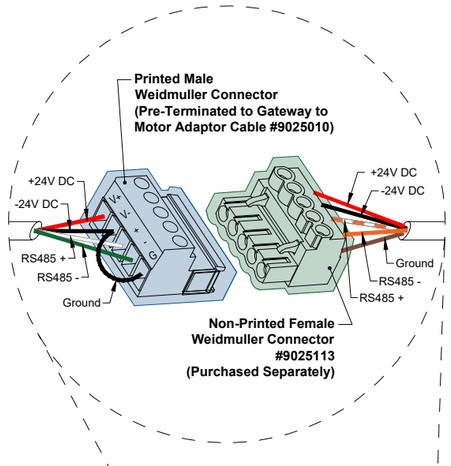
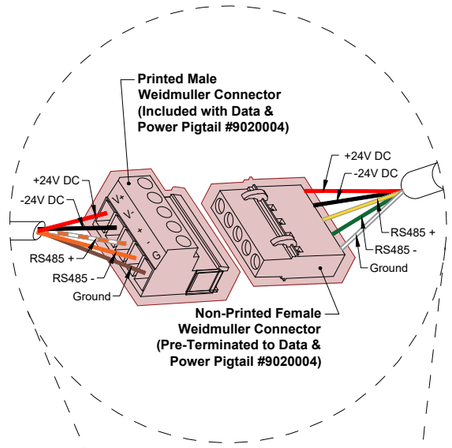


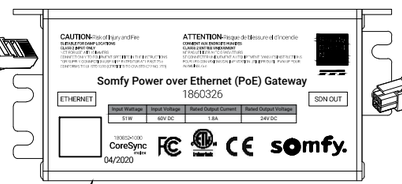
120V AC

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

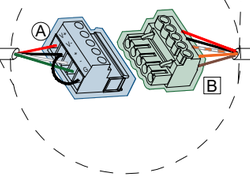
- Unshielded Twisted CAT-5e or higher (PowerWise 1G 4PPoE Indoor/Outdoor Cable recommended)
- TIA-568B Standard with Plastic RJ-45 Connectors
- Max Distance from Switch is 328'



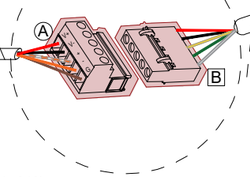




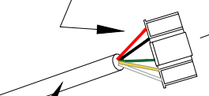
SDN Power over Ethernet (PoE) Gateway
#1860326 (Gateway only)
#1870445 (Gateway & Motor Adaptor Kit)



PoE Gateway to Motor Adaptor
#9025010
(Included with Gateway Kit)

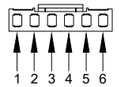


SDN Low-voltage Motor Cable
14/2 + 22/3 TWS
#9020126 (Non-Plenum)
#9020127 (Plenum)
Max Distance from PoE to Motor is 240'
(Purchased Separate from PoE Gateway)



TO ST-50 DC MOTOR

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



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

DC Motor Weidmuller Connector Color Code

Included with DC Motor Cable	Included with PoE Gateway to Motor Adaptor Cable	Purchased Separately

Male Printed Weidmuller Connector	DC Motor Port Wiring Pinout			Female Non-Printed Weidmuller Connector
	Male Pin #	Function	Female Pin #	
A	1	Power (+)	5	B
V+ V+ - G	2	Power (-)	4	
1 2 3 4 5	3	SDN RS485 (+)	3	1 2 3 4 5
	4	SDN RS485 (-)	2	B
	5	SDN RS485 Ground	1	1 2 3 4 5

NOTE:
- *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.*

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Date:	05/20/21
Print Size:	11" x 17"
NTS:	NTS
Sales:	N/A
Drawn by:	RV
Checked by:	PK

Revisions

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

Dwg Title: PoE Gateway with Single ST-50 DC Motor Wire Detail

Dwg No.: POE-WIRING-02

Project name: Technical Library

Client: Somfy Systems

Address: 121 Herrod Boulevard
Dayton, NJ 08810