SDN PowerConnect™
Surface-Mount Panel Instructions
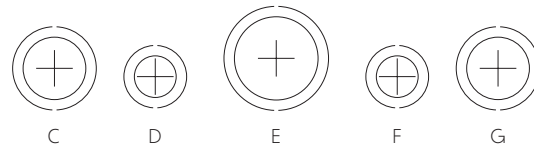
Item #: 1871026

somfy®

SDN **PowerConnect™**

Somfy
Digital
Network
RS485

c UL us

somfy®

I.   Power Panel - General:
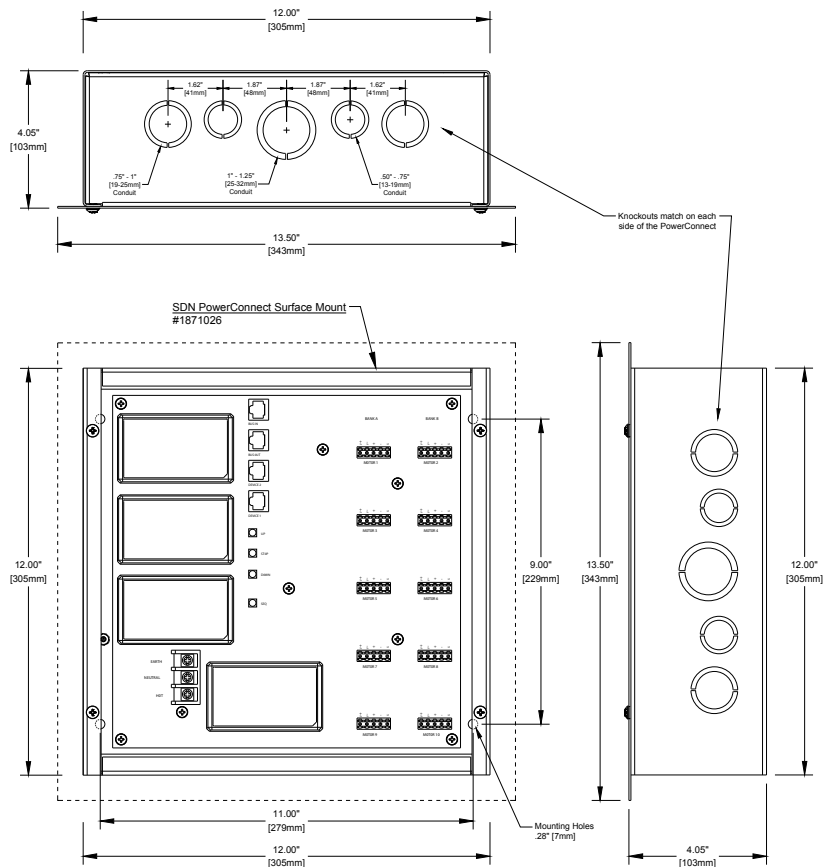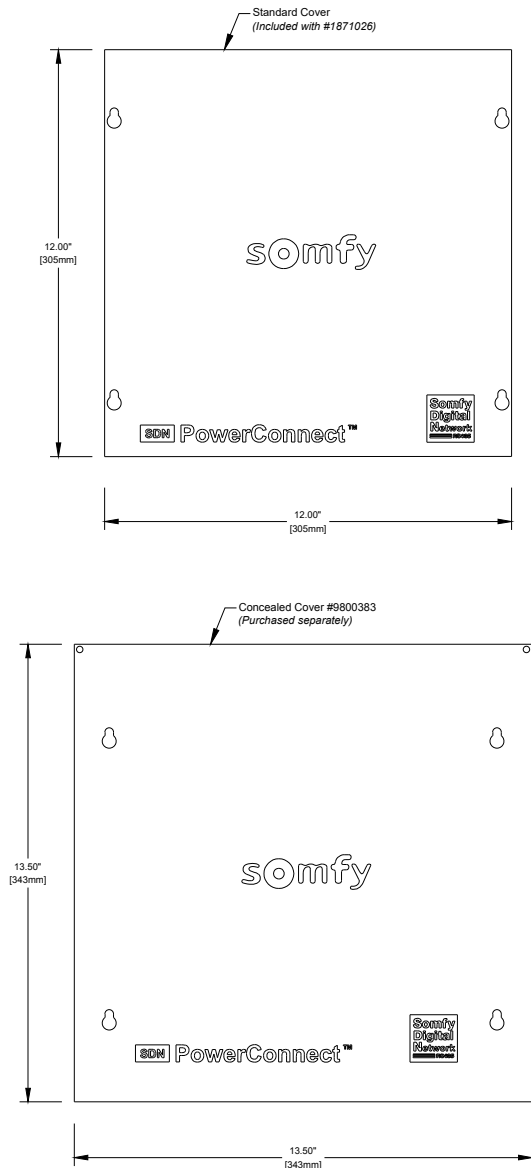
a. Compatible with Somfy's line of 24V DC tubular motors:
- i.   SDN (Somfy Digital Network™) — Integrated RS485
- ii. RTS (Radio Technology Somfy®) — Integrated RF
- iii. 24V DC outputs are Class 2 per NEC table 11(B)

b. Power Panel can be surface- or flush-mounted

c. Indoor use only

d. Dimensions:
- i.   Cover: 12" (W) x 12" (H)
- ii. Enclosure: 12" (W) x 12" (H) x 4" (D)

e. Knock-outs, concentric for conduit, 5 total
- i.   C & G: 0.75" (1")
- ii. D & F: 0.5" (0.75")
- iii. E: 1" (1.25")

C   D   E   F   G

f. SDN Motor cable available
- i.   Non-plenum #9020126 (US), #9020452 (CA)
- ii. Plenum #9020127 (US), #9020453 (CA)

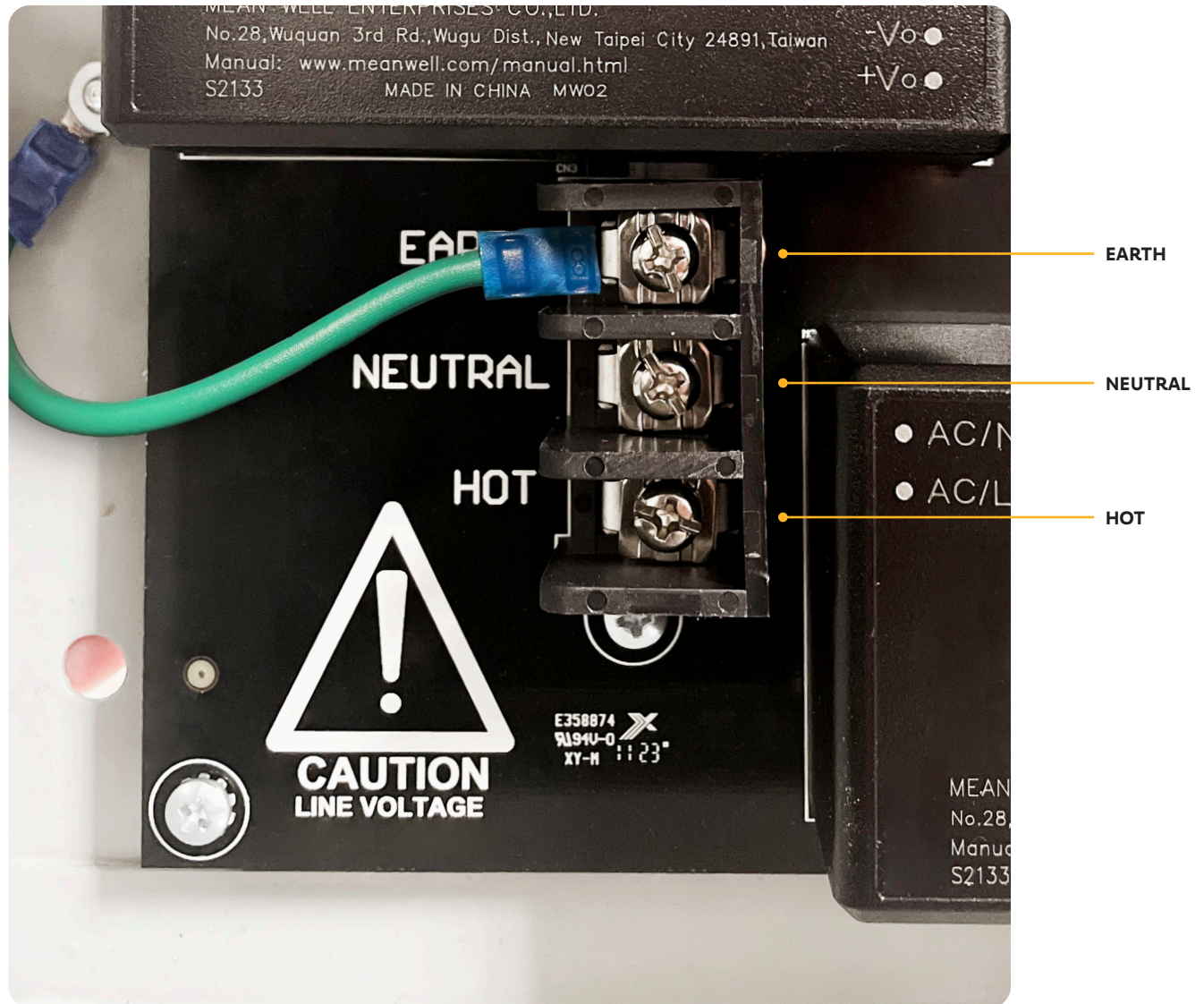# II.   Mechanical Details

Mounting Directions
Mounting holes on back of box. Use appropriate fasteners for the surface you are mounting to.
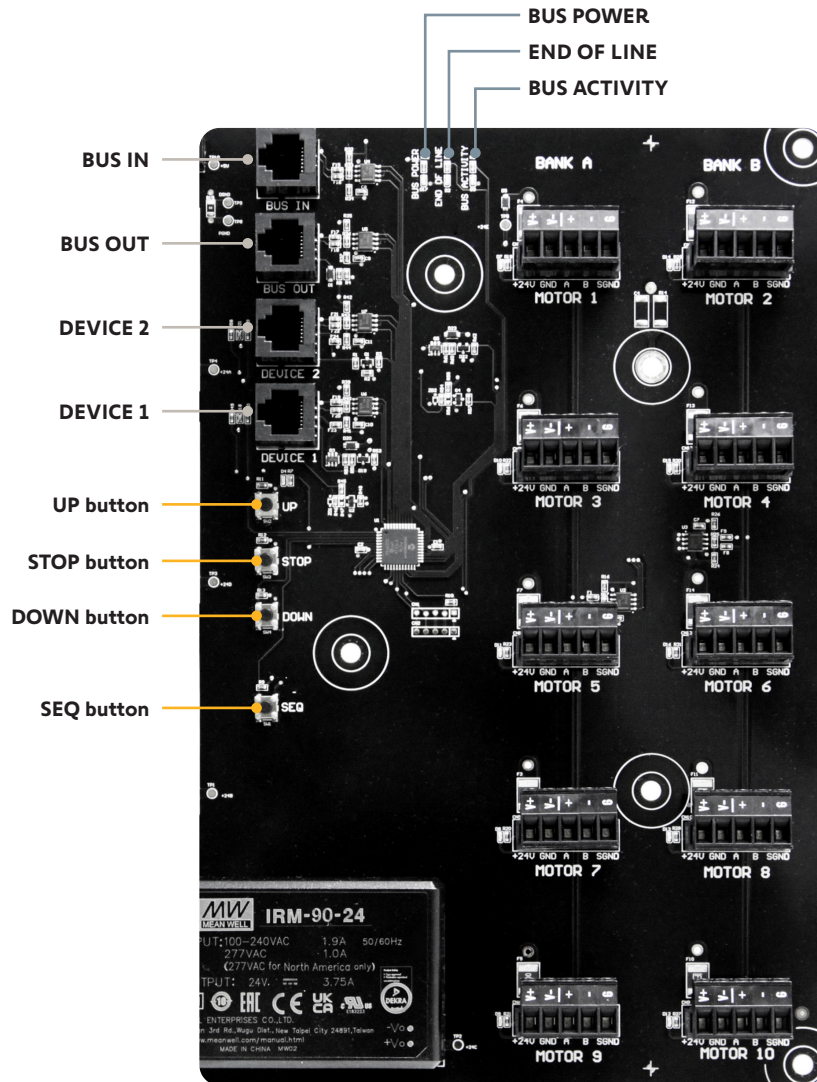
III. Line Voltage Warning:

⚠️ WARNING:
- ONLY A LICENSED ELECTRICIAN IS AUTHORIZED TO CONNECT INCOMING POWER AND ENERGIZE THE CIRCUIT.
- INSTALLATION MUST FOLLOW ALL LOCAL AND NATIONAL ELECTRICAL CODES.

Input: 120V AC, 60Hz, 7.2A max
Output: Ten Class 2, 24V DC, 2A max each
AC Service Conductors, 60°C min

somfy.

IV. Motor Connections:

V+, V- 24V DC Power to motor
(RTS motors only use these 2 connections)

+, - RS485 Communication

G RS485 Signal ground

Refer to motor instructions for further information

*Optional oversized cover available, #9800383

Connect existing SDN devices to the board's device port using an RJ45 adaptor, 2 included.