

# Power Distribution Enclosure Kits RTS

5 motor #1870196  
10 motor #1870192  
15 motor #1870197  
20 motor #1870198



I. Power Panel - General:

- a. Compatible with Somfy's line of 24V DC tubular motors as follows:
  - i. RTS (Radio Technology Somfy®) – Integrated RF
  - ii. DCT – Dry Contact Technology
  - iii. 24V DC outputs are Class 2 per NEC table 11(B)

b. Indoor Use Only - NEMA Type 1 Rated Enclosure

c. Overall Dimensions:

	<b>5 &amp; 10 MOTOR</b>	<b>15 &amp; 20 MOTOR</b>
<b>LENGTH</b>	12.125"	15.125"
<b>WIDTH</b>	12.125"	18.125"
<b>HEIGHT</b>	6.1875"	6.1875"

d. Knock-Outs:

<b>QUANTITY INCLUDED</b>	<b>SIZES PROVIDED</b>
8	½" - ¾"
8	¾" - 1"
8	1" - 1 ¼"

e. Motor Power Cabling Considerations

- i. Maximum power cable length (to guarantee characteristics)

<b>GAUGE</b>	<b>LENGTH</b>
16 AWG	150 ft.
18 AWG	100 ft.

- ii. Terminal blocks and wiring must follow specified local electrical codes

## II. Line Voltage Wiring:

### WARNING:



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

### 5 Motor

Input: 120V AC, 60 Hz 2.8A max

Outputs: 5 Class 2, 24V DC, 2A max each

### 10 Motor

Input: 120V AC, 60 Hz, 5.3A max

Outputs: 10 Class 2, 24V DC, 2A max each

### 15 Motor

Input: 120V AC, 60 Hz 8.1A max (2.8A & 5.3A)

Outputs: 15 Class 2, 24V DC, 2A max each

### 20 Motor

Input: 120V AC, 60 Hz 10.6A max (2 x 5.3A)

Outputs: 20 Class 2, 24V DC, 2A max each

AC Service Conductors, 60°C min



#### **AC SERVICE CONNECTIONS**

15 & 20 MOTOR LANDING TERMINALS SHOWN.

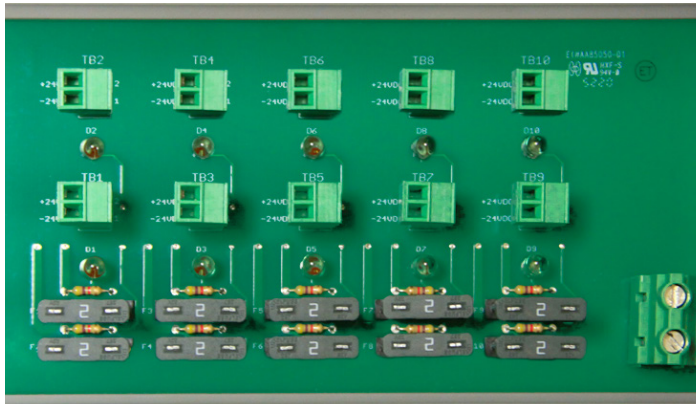
5 & 10 MOTOR VERSIONS WILL HAVE A SINGLE HOT & NEUTRAL LANDING TERMINAL AND ONLY REQUIRES A SINGLE OVERCURRENT PROTECTION.

REFER TO LABELS ON PRODUCT FOR AC SERVICE CONNECTIONS INCLUDING GROUND.

### III. Motor Connections:

#### 10 Motor Power/Control Distribution Panel

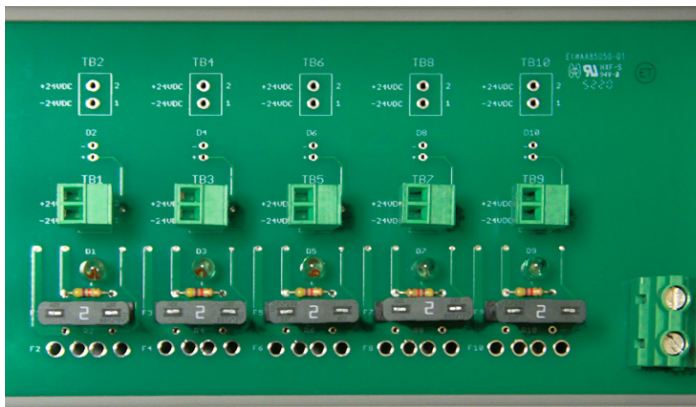
2-conductor, #1870194



- ← To Motor Power
- ← Power LED
- ← 12 or 24V DC IN
- ← Snaptrack (Included)

#### 5 Motor Power/Control Distribution Panel

2-conductor, #1870193



- ← To Motor Power
- ← Power LED
- ← 12 or 24V DC IN
- ← Snaptrack (Included)

Special Instructions:

<b>24V DC IN</b>	<b>24V DC Power input to Power Panel is pre-installed</b>
<b>+24V DC,-24V DC</b>	<b>24V DC Power to motors</b>
<b>Refer to motor instructions for further information</b>	