

### **Introduction**

#### ► Feature

- Line lifting: 726 kg / 1,600 lb wire rope first layer
- Wire rope: 5.5 mm × 19.8 m (7/32" × 65') galvanized aircraft A7 × 19
- Brake: Patented cone brake holds full load PLUS auxiliary inverted current brake for a 100% & instant braking
- Control: Handheld pendant switch powers the hoist

#### ► Unpacking

- Hoist assembly..... 1 pc
- Detachable control box..... 1 pc
- Remote control..... 1 pc
- Wire rope with hook..... 1 pc

#### ► Read this manual carefully

You should carefully read and understand this manual before operating it. Careless hoist operation may result in personal injury hazards or property damage.

#### ► Information requesting or parts ordering

Please specify the following information:

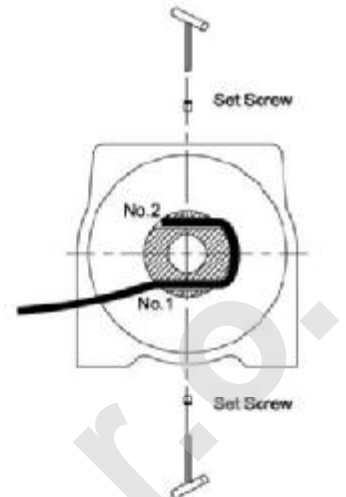
- Hoist PN
- Serial number
- Quantity for each part
- Part description
- Replacement part number

### **Installation**

Before using the hoist, make sure all electrical components have no corrosion or damaged; the environment should be clear and dry.

### ► Wire Rope

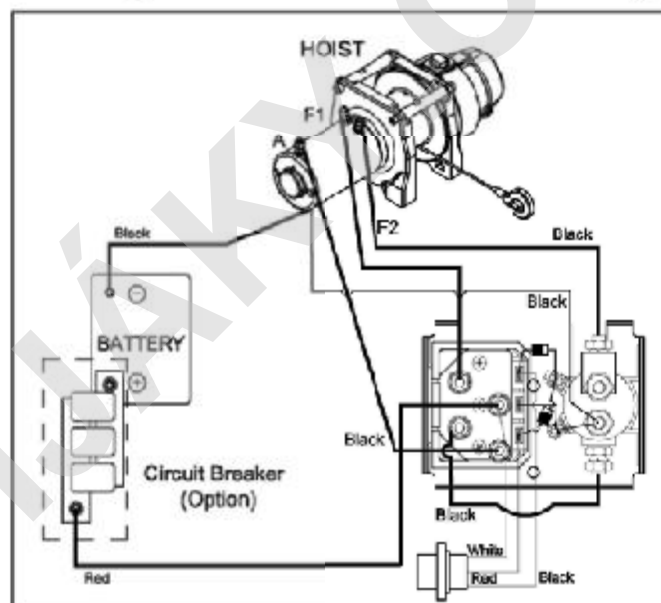
- Feed the end of the wire rope into No. 1 anchor hole in the drum and wind about 1/4 wrap of rope on the drum. Insert the wire rope into No. 2 hole and tighten the set screw securely.
- Make sure the first layer of wire rope is tight and maintain a freeboard at least 1.5 x rope diameter.
- Wire rope shall be wound in an under-wound orientation only.
- To compensate for uneven spooling and the decrease in line pull capacity as the drum fills up, use as short a wire rope as practical.



### ► Wiring Diagram

Attach the black lead firmly to the negative (-) battery terminal and red lead to the positive (+) battery terminal. The voltage drop for the hoist motor must not exceed 10% of the nominal voltage of 12/24V DC.

- Recommended battery: 650 CCA minimum for hoisting



### Performance Data

Lifting Load kg / lb	Line Speed mpm / fpm	Amp. Draw 12V / 24V	Percentage Duty Cycle %ED
No load	14 / 45.9	60 / 35	25%
227 / 500	8.9 / 29.2	110 / 80	20%
454 / 1,000	6.2 / 20.3	160 / 100	15%
726 / 1,600	4.5 / 14.8	200 / 120	11%

## **Warning**

- The operator shall always work in compliance with the operating instructions.
- Overload shall be forbidden and overload protection shall be required.
- Ban on transporting persons and excessive inching shall be avoided.
- Don't try to move obstructed loads and side-pull of load is not allowed
- The rope winding on the drum shall remain 5 wraps from the drum.

## **Parts List**

Ver:2			
Item No.	Description	Part No.	Qty
1	Motor 12V	880074	1
	Motor 24V	880075	
2	Tie bar kit	880076	2
3	Motor support rack	880077	1
4	Motor coupling	880078	1
5	Drum bushing A	880006	1
6	Drum kit	881422	1
7	Drum bushing B	880081	1
8	Gearbox support rack	880082	1
9	Wire rope w/hook	881147	1
10	1 <sup>st</sup> shaft	880084	1
11	Grounding lead	880085	1
12	3 <sup>rd</sup> ring gear kit	880086	1
13	2 <sup>nd</sup> stage carrier	880087	1
14	1 <sup>st</sup> stage carrier	880088	1
15	Retaining ring	880089	1
16	1 <sup>st</sup> & 2 <sup>nd</sup> ring gear	880090	1
17	1 <sup>st</sup> pinion kit	880091	1
18	Tap screw	881423	1
19	Gear box kit	880093	1
20	Cone brake disc kit	880094	1
21	Brake clutch base	881099	1
22	Brake cover kit	880095	1
23	Remote control	880025	1
24	Detachable control box 12V	881153	1
	Detachable control box 24V	881154	
24-1	Remote socket kit	881426	1
24-2	Detachable control pack 12V	881424	1
	Detachable control pack 24V	881425	



## Hoist Assembly

