EMCP4.1 One Link Install

Parts list:

(1) One Link with magnetic mounts

(1) 4G LTE Antenna/GPS Antenna

(2) Lever wire connectors

(1) Battery wiring harness with inline fuse

(1) OLSC005 serial cable

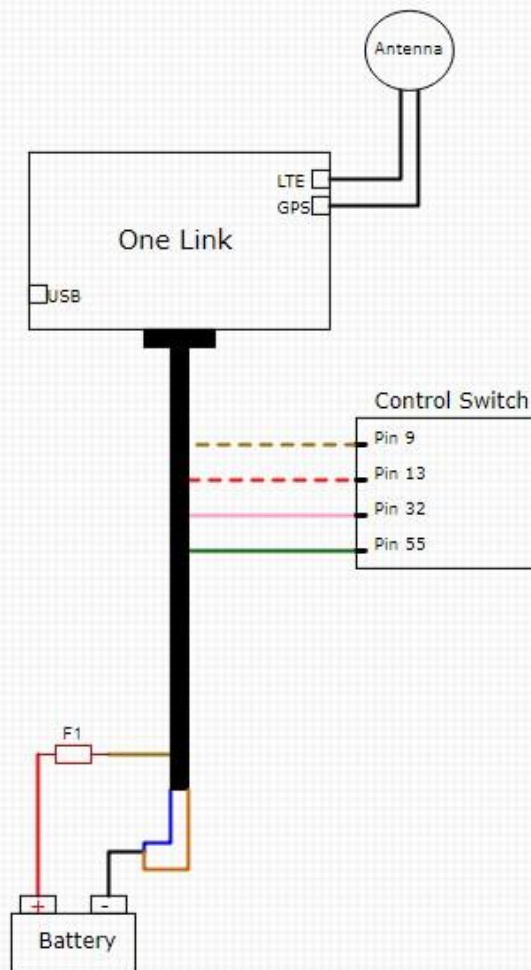(2) Zip ties

Installation Instructions:

1. Put the generator in stop mode.

2. Disconnect the positive battery terminal. (**Do not reconnect the positive battery terminal until step 14.)**

3. Using the magnetic mounts, mount the One Link inside of the generator enclosure close to the controller. (**Be sure the mounting location is away from weather exposure.)**

4. Connect the ring connector on the red wire of the battery wiring harness to the positive (+) battery terminal.

5. Connect the ring connector on the **black** wire of the battery wiring harness to the negative (**-**) battery terminal.

6. Route the brown wire, orange wire, and blue wire from the One Link I/O cable to the battery wiring harness installed in steps 4 and 5.

7. Using one of the included lever wire connectors, connect the bare **black** wire from the battery wiring harness to the orange wire and blue wire from the One Link I/O cable.

8. Using one of the included lever wire connectors, connect the bare red wire from the battery wiring harness to the bare brown wire from the One Link I/O cable.

9. Route the following wires from the One Link I/O cable to the pin connector:

   a. Brown wire with white stripe to Pin 9.

   b. Red wire with white stripe to Pin 13.

   c. Pink wire to Pin 32.

   d. Green wire to Pin 55.

10. Mount the LTE/GPS antenna on the top of the generator.

11. Connect the LTE antenna cable to the top connector on the right side of the One Link.

12. Connect the GPS antenna cable to the bottom connector on the right side of the One Link.

13. Plug the 15 pin connector into the bottom of the One Link, and tighten both screws using a flathead screwdriver.

14. Reconnect the positive battery terminal to the battery.

At this time the One Link will power up and begin communicating with the generator. Please allow 5-10 minutes for the One Link to establish a connection to the internet, and then check the activation screen or your One Link account to ensure the generator's vitals update and the One Link is transmitting data.

EMCP 4.1

Antenna

LTE
GPS

One Link

USB

Control Switch

Pin 9
Pin 13
Pin 32
Pin 55

F1

+   -
Battery

TITLE:			
	EMCP 4.1		REV: 1.0
ZABATT ONE LINK	Company: Zabatt Power Systems		Sheet: 1/1
	Date: 2021-11-03	Drawn By: Yong Kim	

One Link	Old Gray I/O Cable	New Black I/O Cable	Generator	
Description	Color	Color	Location	Generator Function
EMCP 4.1 Wiring One Link V3				
Battery +	Red	Brown	Battery +	Battery +
Battery -	Black	Blue	Battery -	Battery -
K1COM	Red/White Stripe	Orange	Battery -	Remote Start
K1NO	Red/Black Stripe	Green	Pin 55 of 70 pin connector	
K2COM	Orange	Yellow		
K2NC	Orange/Black Stripe	Gray		
DI1	Black/White Stripe	Pink	Common Alarm Relay (pin 32)	Common Alarm Relay(Can be programmed) 40 needs to go to ground
DI2	Blue/Black Stripe	Red		
DI3	Blue/White Stripe	Black		
DI4	Blue	White		
DI5	Green/Black Stripe	Purple		
A1	Green	Light Green		
A2	Green/White Stripe	Black/White Stripe		
L1	White	Brown/White Stripe	Pin 9 of 70 pin connector	240v AC Voltage Sensing(Includes Hz and RPM) Gen must be 240V otherwise use center taps
L2	White/Black Stripe	Red/White Stripe	Pin 13 of 70 pin connector	240v AC Voltage Sensing(Includes Hz and RPM) Gen must be 240V otherwise use center taps