Cummins Detector 12 One Link Install

Parts list:
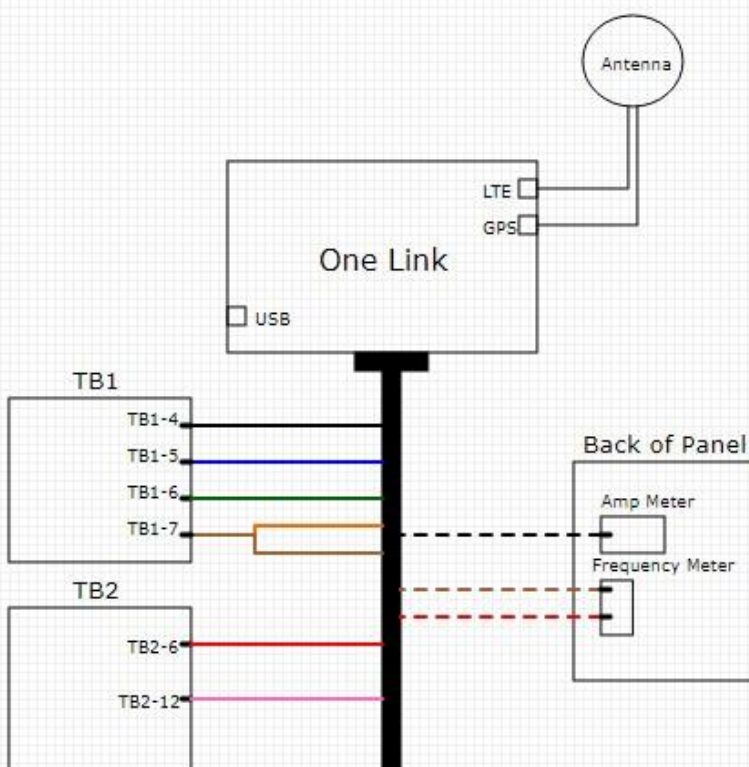
(1) One Link with magnetic mounts

(1) 4G LTE antenna/GPS antenna

(2) Lever wire connectors

(1) Battery wiring harness with inline fuse

(1) OLSC005 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 17.)**
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. Route the **black** wire from the One Link I/O cable to TB1-4.
5. Route the blue wire from the One Link I/O cable to TB1-5.
6. Route the green wire from the One Link I/O cable to TB1-6.
7. Route the orange wire and the brown wire from the One Link I/O cable to TB1-7.
8. Route the red wire from the One Link I/O cable to TB2-6.
9. Route the pink wire from the One Link I/O cable to TB2-12.
10. Route the **black** wire with white stripe from the One Link cable to the amp meter on the back of the controller.
11. Route the brown wire with white stripe from the One Link cable to the frequency meter to the back of the controller.
12. Route the red wire with white stripe from the One Link cable to the frequency meter to the back of the controller.
13. Mount the LTE/GPS antenna on the top of the generator.
14. Connect the LTE antenna cable to the top connector on the right side of the One Link.
15. Connect the GPS antenna cable to the bottom connector on the right side of the One Link.
16. Plug the 15 pin connector into the bottom of the One Link, and tighten both screws using a flathead screwdriver.
17. 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. Check the activation screen or your One Link account to ensure the generator's vitals update, and the One Link is transmitting data.

Cummins Detector 12

Antenna

One Link

LTE
GPS

USB

TB1

TB1-4
TB1-5
TB1-6
TB1-7

Back of Panel

Amp Meter

Frequency Meter

TB2

TB2-6

TB2-12

TITLE:		
Cummins Detector 12		REV: 1.0
Company: Zabatt Power Systems	Sheet: 1/1
Date: 2021-10-08 Drawn By: Yong Kim	

Detector 12 Wiring Diagram					
One Link		**Old Gray I/O Cable**	**New Black I/O Cable**	**Generator**	
Description	**One Link Function**	**Color**	**Color**	**Location**	**Generator Function**
Battery +	Battery +	Red	Brown	ECM TB1 - 7	Battery +
Battery -	Battery -	Black	Blue	ECM TB1 - 5	Battery -
K1COM	K1COM	Red/White Stripe	Orange	ECM TB1 - 7	Remote Start
K1NO	K1NO	Red/Black Stripe	Green	ECM TB1 - 6	
K2COM	K2COM	Orange	Yellow		
K2NC	K2NC	Orange/Black Stripe	Gray		
DI1	Close to Ground	Black/White Stripe	Pink	ECM TB2 - 12	Switch Off (Not in Auto)
DI2	Close to Ground	Blue/Black Stripe	Red	ECM TB2 - 6	Over Crank
DI3	Close to Batt +	Blue/White Stripe	Black	ECM TB1 - 4	Common Alarm
DI4	Close to Batt +	Blue	White		
DI5	Close to Batt +	Green/Black Stripe	Purple		
A1	0-5V	Green	Light Green		
A2	0-5V	Green/White Stripe	Black/White Stripe	Back of Amps Meter?	Amps Sensing
L1	AC Voltage L1	White	Brown/White Stripe	Back of Frequency Meter?	AC Voltage Sensing(Includes Hz and RPM)
L2	AC Voltage L2	White/Black Stripe	Red/White Stripe	Back of Frequency Meter?	