FT1 Review & Installation

FT1 Device

FT1 Review

- Straight OBD connection

- Works with 12V and 24V systems

- Universal Y-Cable is available for OBD and 9 Pin, RP1226 can be used

- TTL Cable needed for Inputs and Outputs, Temp Sensor, IButton, RFID

- L.E.D. Lights available for operation of the device

- IMEI Number is always needed ☺

- Make sure to always securely mount the device

L.E.D. Device Operation

Light Patterns & LED Error Codes

LED	Flash Count	Error	Action
Green	1	Sim Error	Check that sim is inserted correctly, reseat sim or replace with another sim
Green	2	No Network	Check that sim card is inserted correctly, also check that you are in a reasonable coverage area. Check mount location of device and ensure there is no obstruction.
Green	3	Unable to register with Network	Verify if a renewal device or recent device\sim swap, confirm sim inside device and that a rate plan exists Check with fulfillment to ensure Sim is active
Green	4	Service Unreachable	Check for poor coverage location, check that line is Active
Green	5	Service Activation Error	Please Contact Technical Support @ 1-800-220-0779
Green	6	Service Sync failure	check with fulfilment the sim is active with a rate plan, Power cycle unit by unplugging device and unplugging internal back up battery

L.E.D. Device Operation

Light Patterns & LED Error Codes

LED	Flash Count	Error	Action
Blue	3	GPS Signal Weak	Check mount location of device also check for poor coverage area
Red	4	Battery too low to transmit	Using a voltage meter check constant power from Diagnostic port (this may require professional installer assistance)
Red	5	Error reading telematics data	Power cycle unit by unplugging device and unplugging internal back up battery. Leverage hardware support if problem persists
Red	10	Other system error	Please Contact Technical Support @ 1-800-220-0779

FT1 Installation ☺
Direct Device Plug IN

- Always make sure that you are getting L.E.D. Lights to function.

- If no lights, make sure that PIN 16 has constant voltage. Always use a Digital Meter when verifying.

- Always let the client know if no voltage or no L.E.D. lights.

- Make sure that you are getting the IMEI number from the device.

- Call dedicated Tech Support Line to verify the device. 1-888-572-6268

FT1 Installation – Direct Plug In

FT1 Installation ☺
Universal 9 Pin Y-Cable

- Make sure to find and use the correct Adapter for the vehicle that you are working on. https://70d6818f-b7e7-4261-8110-d797569f85a8.filesusr.com/ugd/b251f7_707169f1cb294f37b7e306a120b92a13.pdf

- Always make sure that you are getting L.E.D. Lights to function.

- If no lights, make sure that 9 Pin OEM has constant voltage. Always use a Digital Meter when verifying. Always let the client know if no voltage or no L.E.D. lights.

- Make sure that you are getting the IMEI number from the device.

- Call dedicated Tech Support Line to verify the device. 1-888-572-6268

- Always secure the device using Zip Ties – 11" zip ties work the best ☺

- **Anytime that the RP1226 adapter is used, make sure that the Molex Type 1 250K is used**

FT1 9 Pin Connection

9 Pin Universal Y-Cable

9 Pin Universal Y-Cable with RP1226 Adapter

FT1 Installation ☺
Universal OBD Y-Cable and OBD Hardwire

- Make sure to find and use the correct Adapter for the vehicle that you are working on. https://70d6818f-b7e7-4261-8110-d797569f85a8.filesusr.com/ugd/b251f7_707169f1cb294f37b7e306a120b92a13.pdf

- Always make sure that you are getting L.E.D. Lights to function.

- If no lights, make sure that PIN 16 has constant voltage. Always use a Digital Meter when verifying. Always let the client know if no voltage or no L.E.D. lights.

- Make sure that you are getting the IMEI number from the device.

- Call dedicated Tech Support Line to verify the device. 1-888-572-6268

- Always secure the device using Zip Ties – 11" zip ties work the best ☺

- 12 Volt constant is always needed. Red Wire on adapter.

- Metal chassis for the ground. Black Wire on adapter.

- **Make sure to add a fuse holder and a 3-amp fuse.

FT1 OBD Connection

OBD Universal Y-Cable

OBD Hardwire Adpater

FT1 Accessory Add-On

- RFID reader will require a fuse holder and 3-amp fuse.

- Relay is required when using the Input 1 wire (Gray).

- Make sure to use the correct Butt Connector when making connections.

- Make sure to note if Input was used, also will need to note the wire color for the Output used, if used.

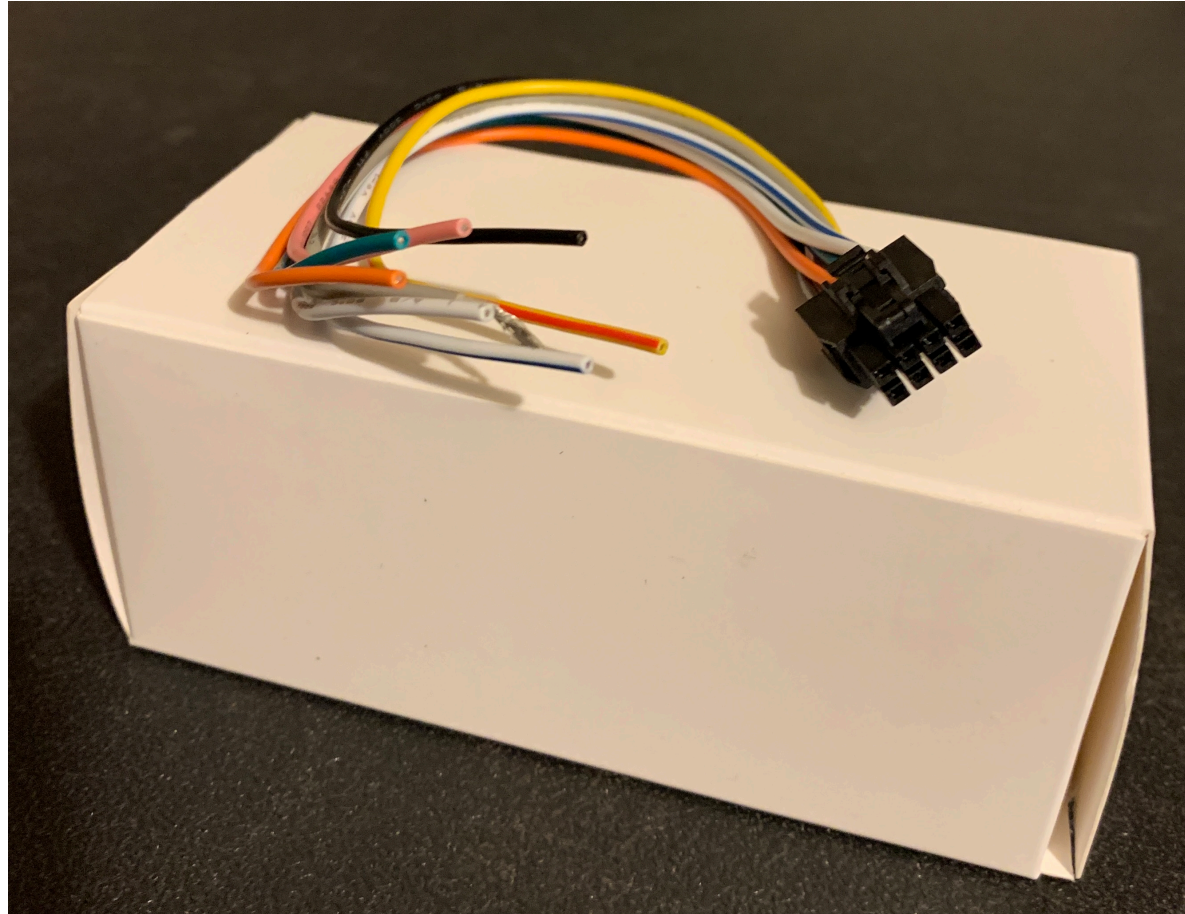- Always secure wires not being used from the TTL Connector.

TTL 8 Pin Connection

FT1 – (8-PIN) Cable Color Table

4	3	2	1
8	7	6	5
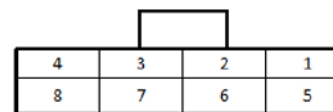
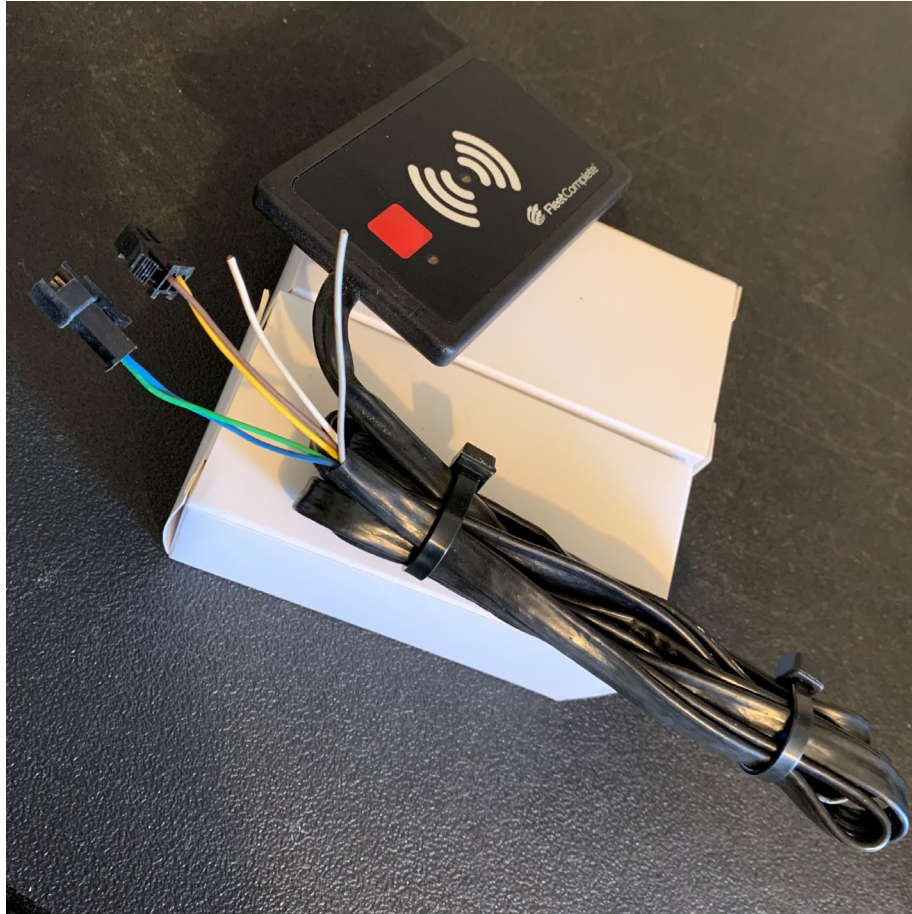| PIN at board side	PIN definition	Colour
1	GND	BLACK
2	Relay1	ORANGE
3	BMCU_UART4_RX(TTL 1.8v)	GREEN
4	BMCU_UART4_TX(TTL 1.8v)	WHITE
5	BDCDC 5V output	PINK
6	1-Wire_line	YELLOW/RED
7	External_INT (1.8v)	GREY
8	Relay2	WHITE/BLUE

TTL Connector
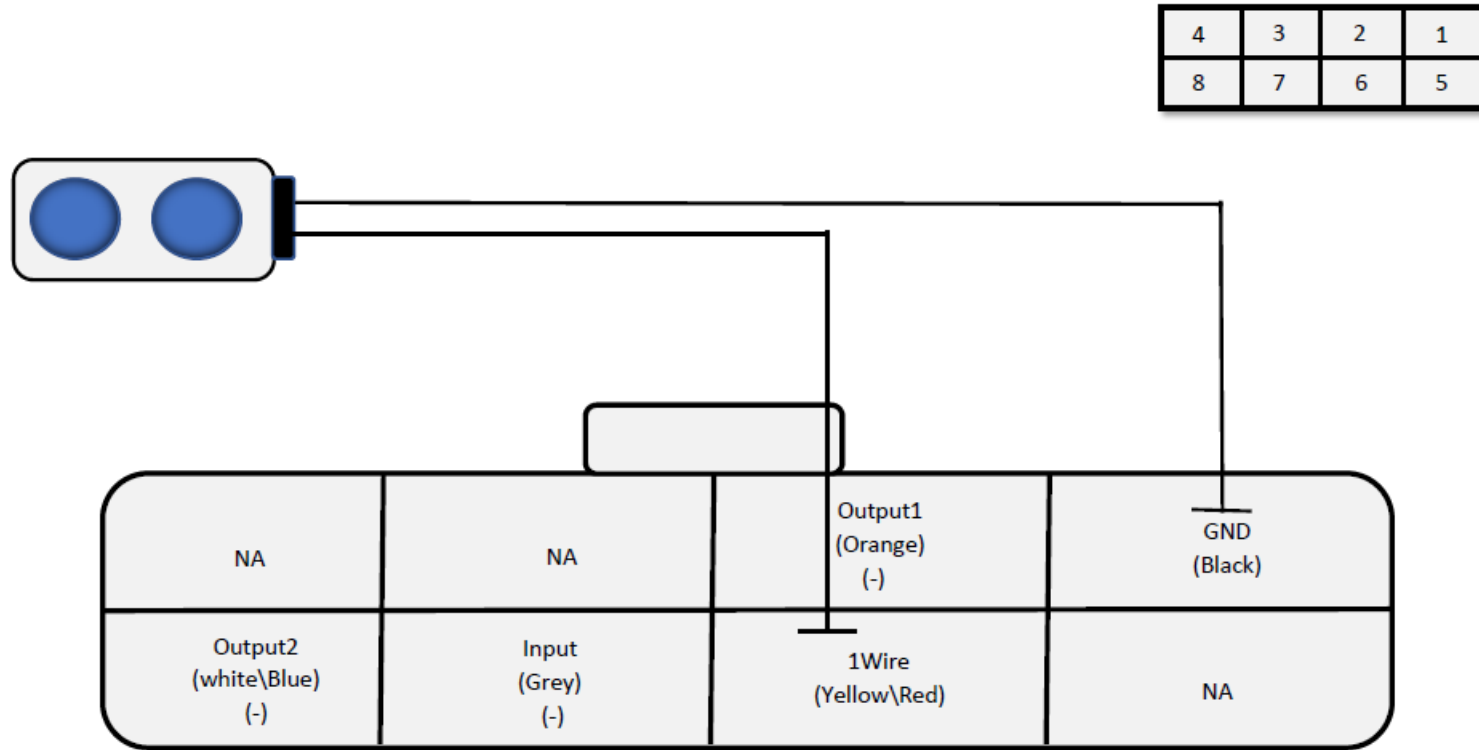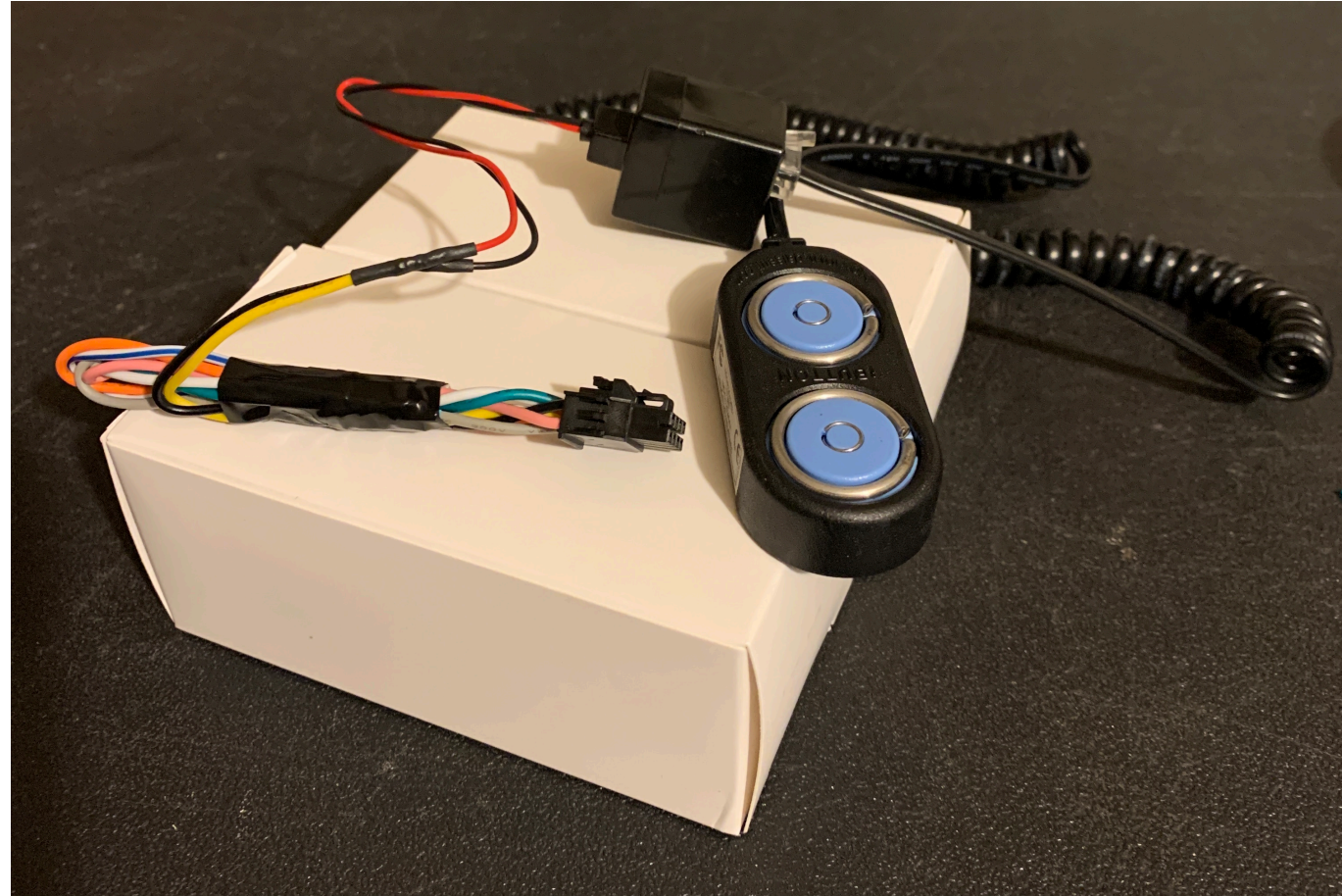
FT1 Temperature Sensor Add-On
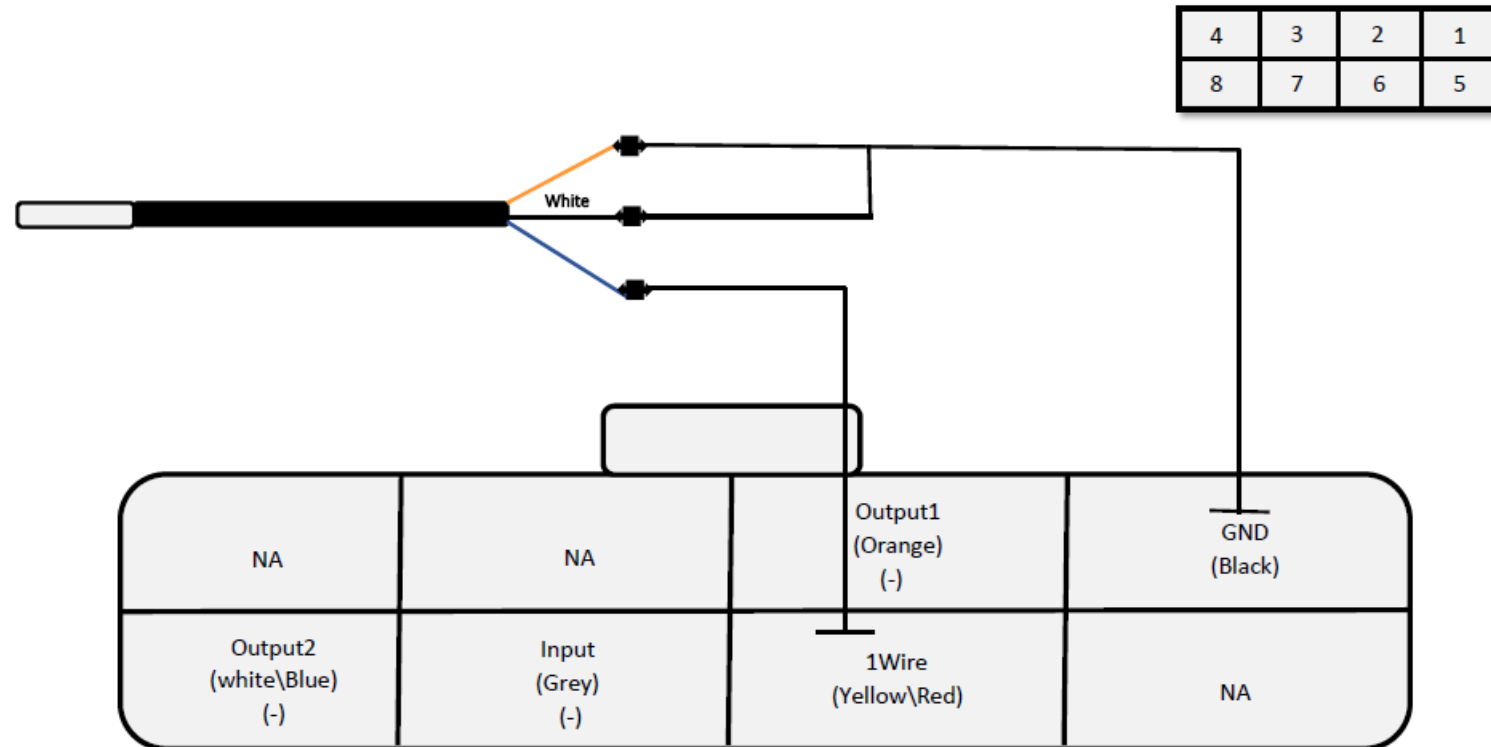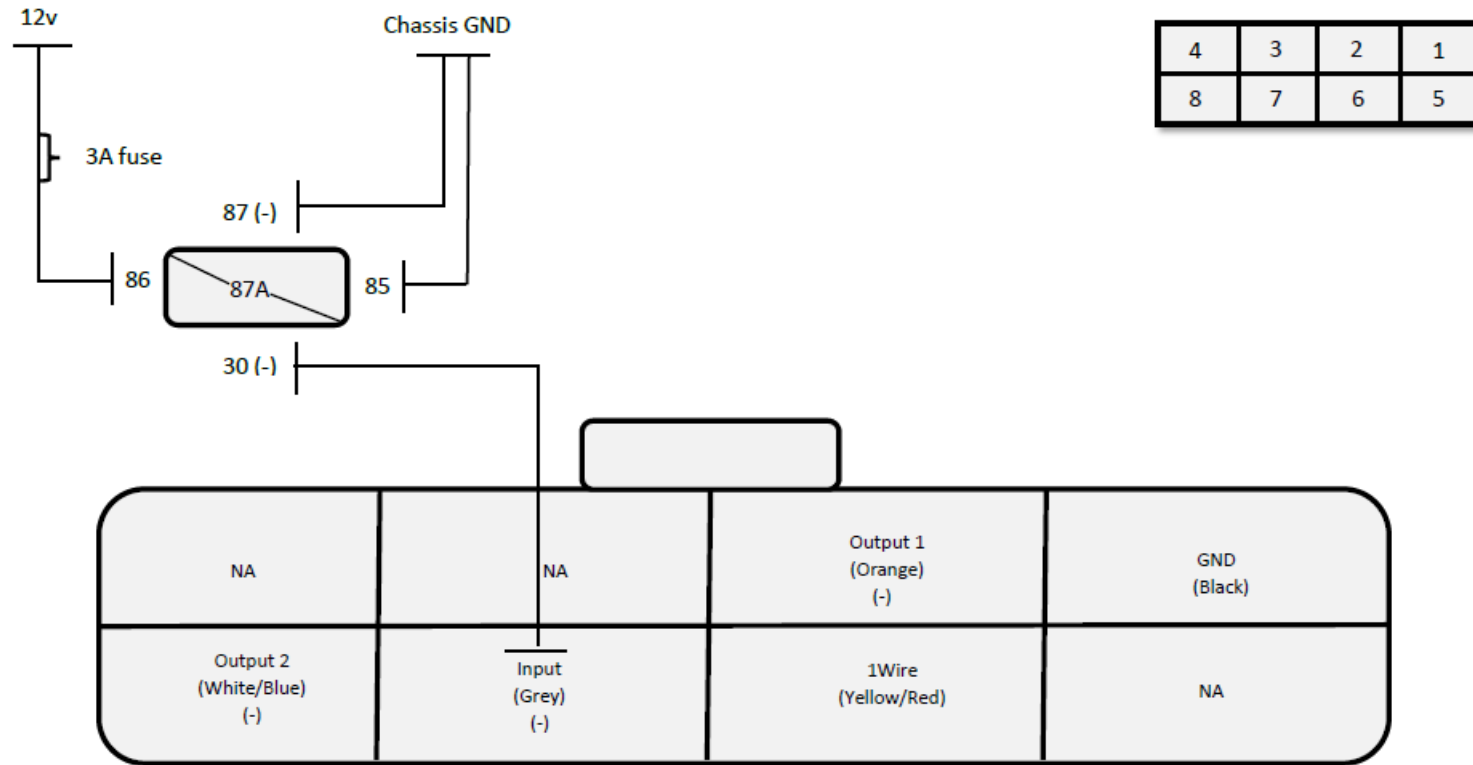
Temp Sensor Connection
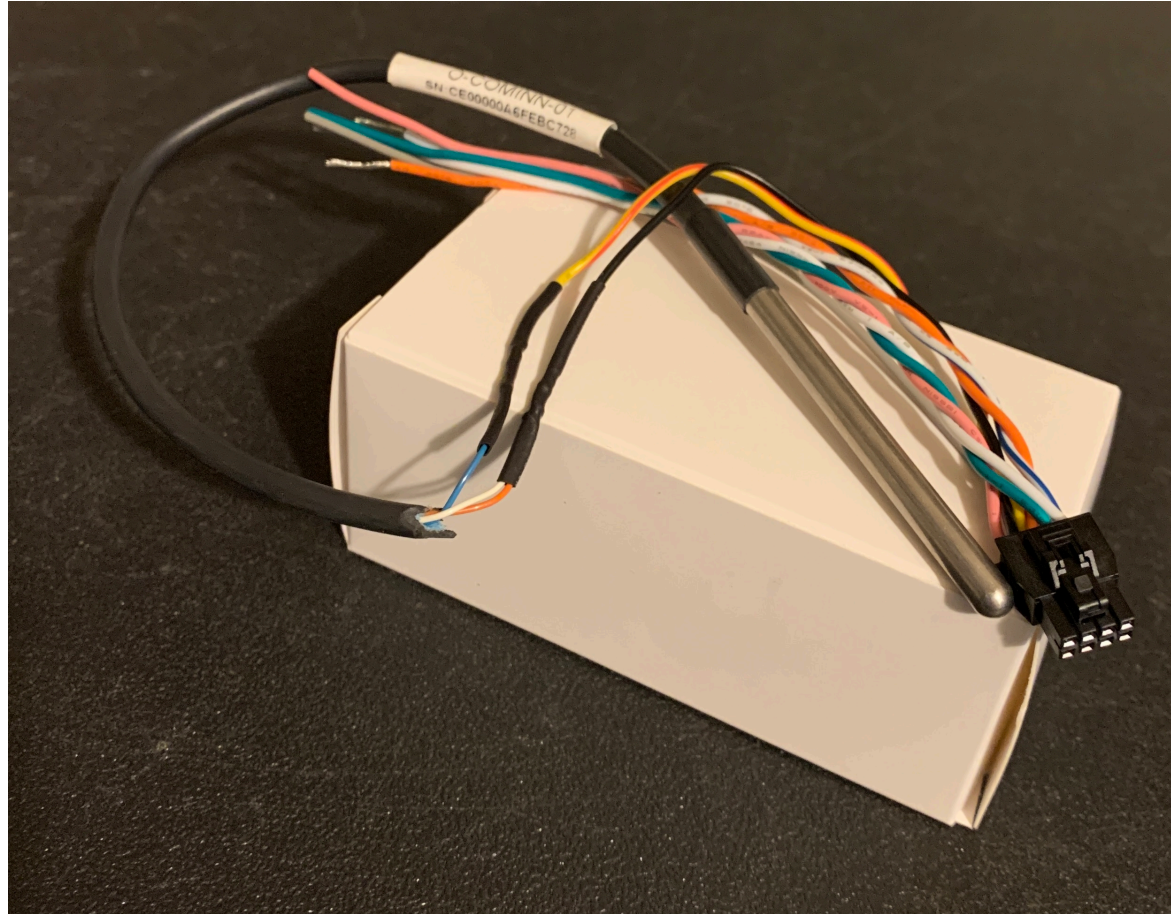
FT1 RFID Add-On
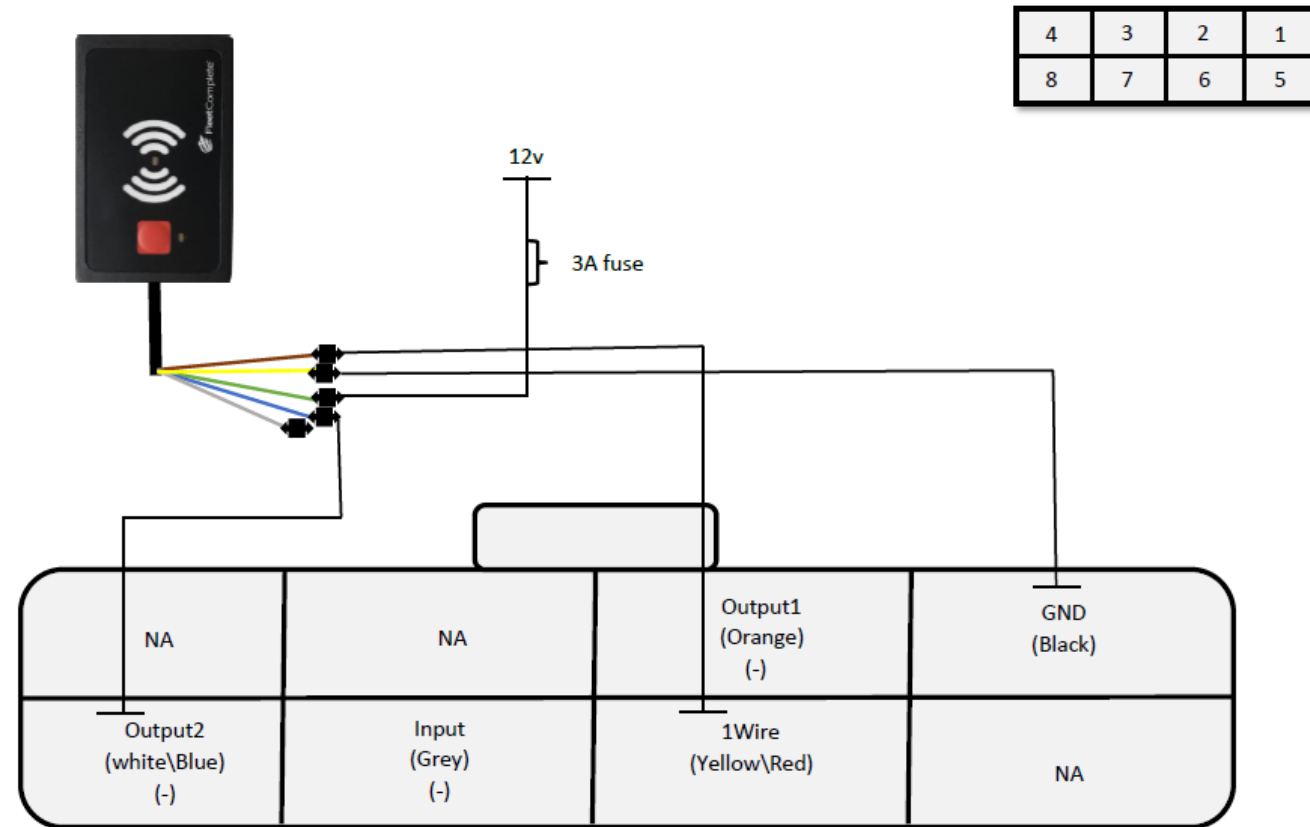
RFID Connections

FT1 IButton Add-On

4	3	2	1
8	7	6	5

NA	NA	Output1 (Orange) (-)	GND (Black)
Output2 (white\Blue) (-)	Input (Grey) (-)	1Wire (Yellow\Red)	NA
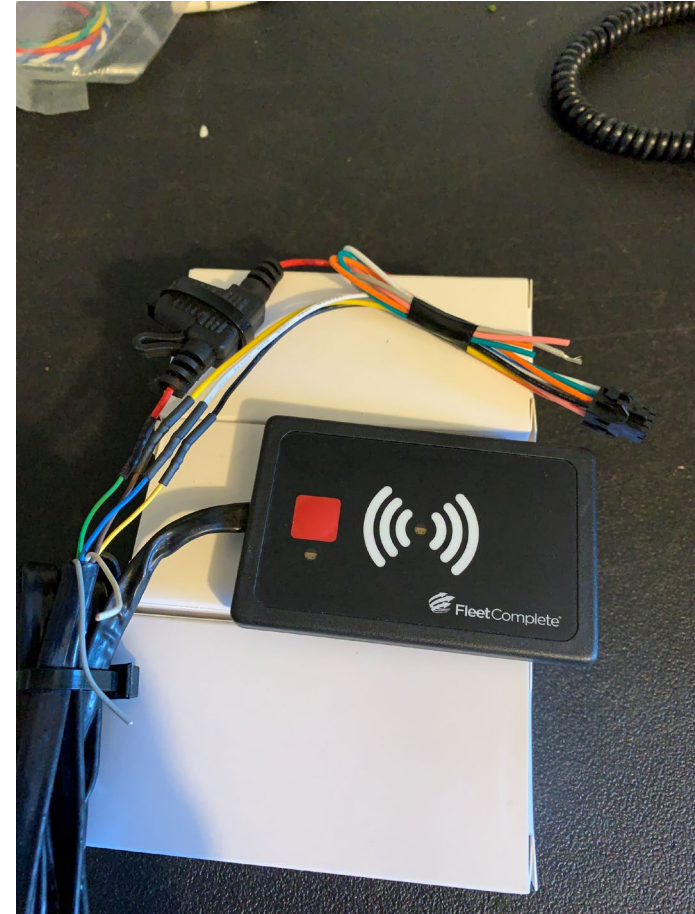
IButton Connection

FT1 Input Add-On

12v

Chassis GND

4	3	2	1
8	7	6	5

3A fuse

87 (-)

86   87A   85

30 (-)

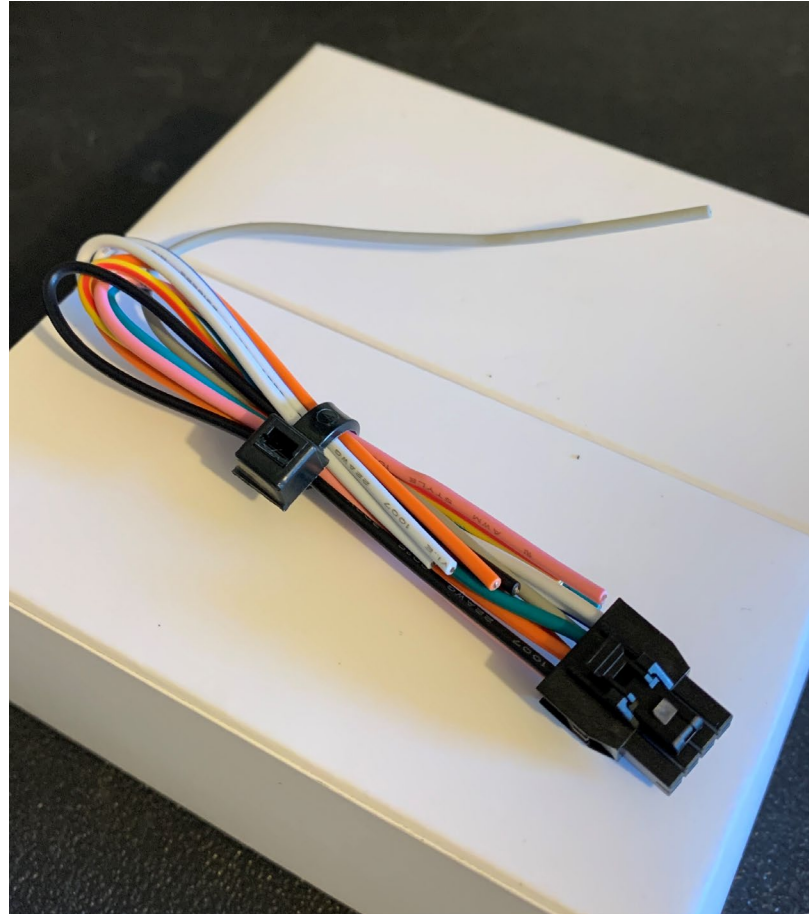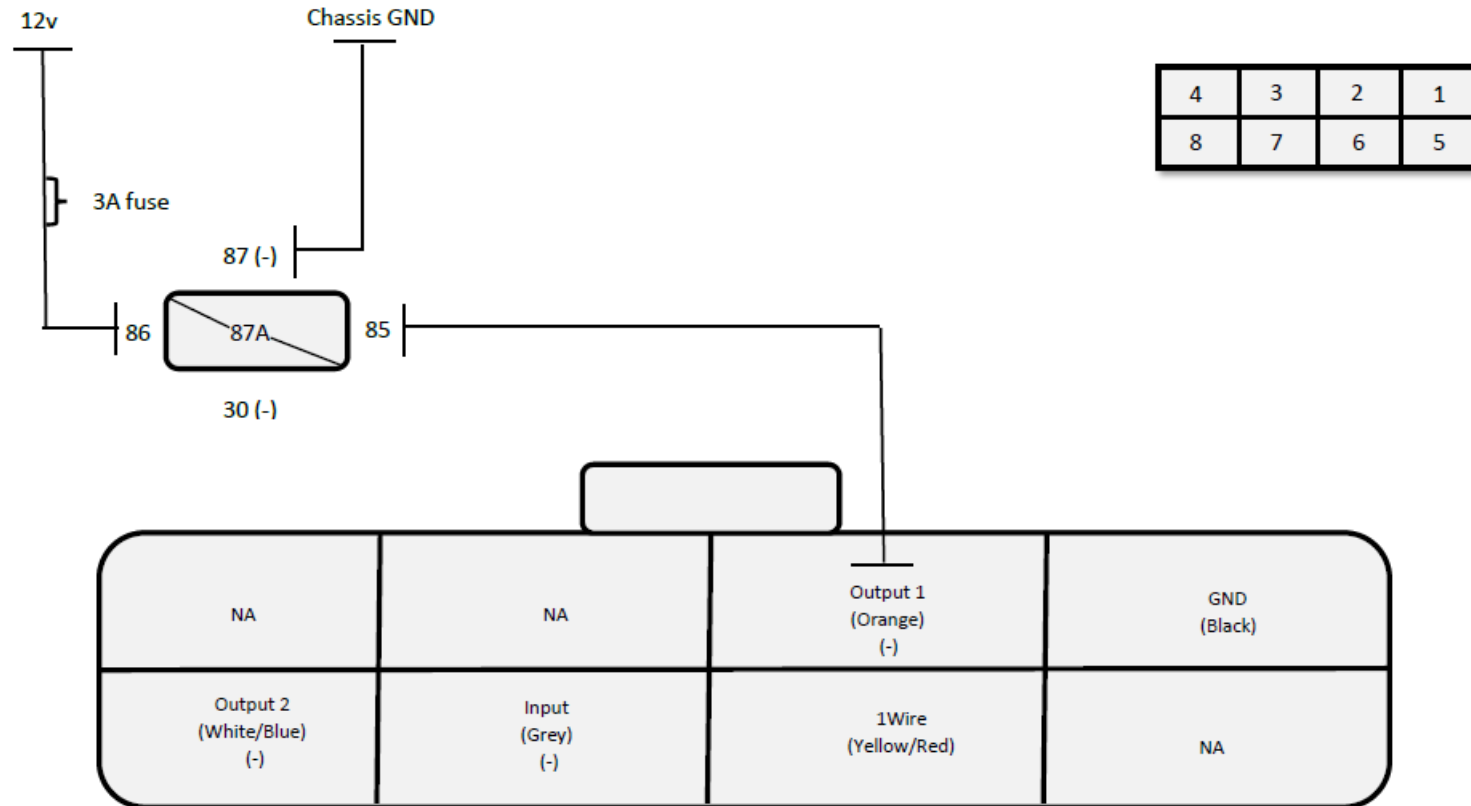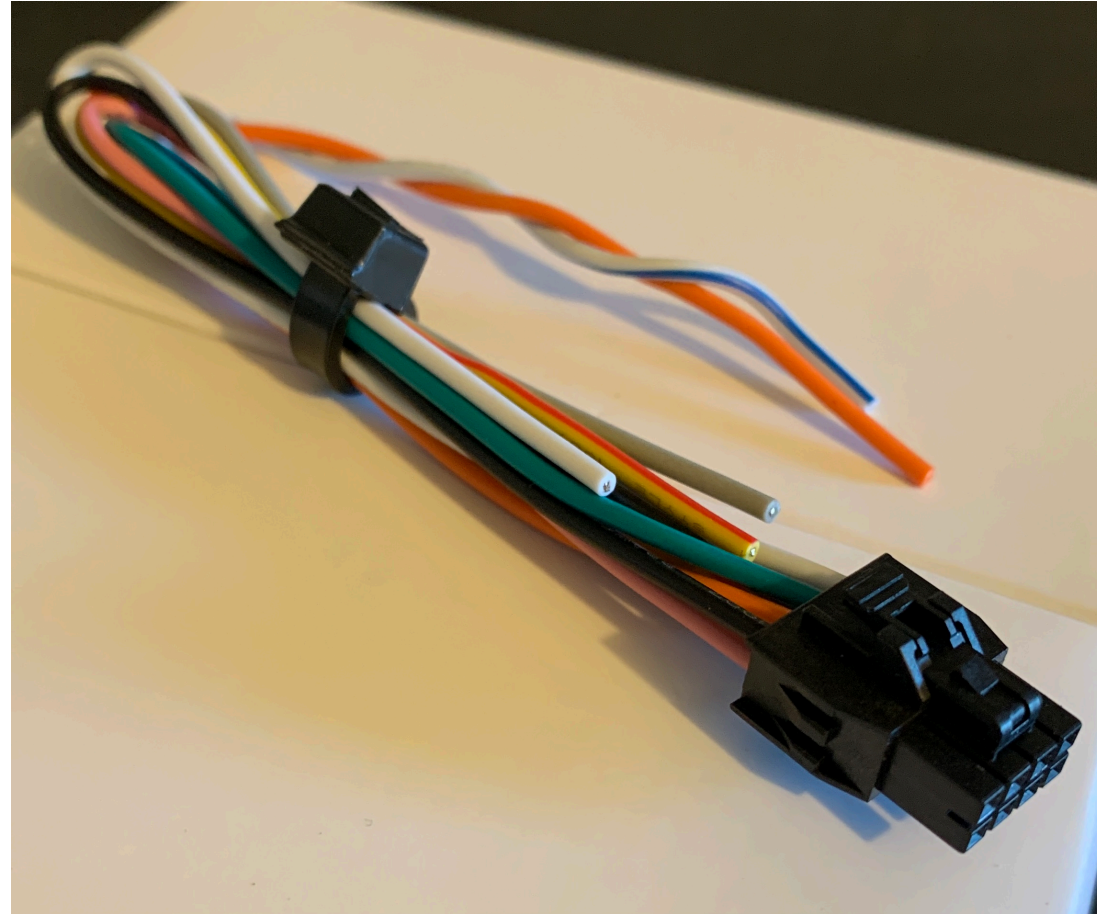| NA	NA	Output 1 (Orange) (-)	GND (Black)
Output 2 (White/Blue) (-)	Input (Grey) (-)	1Wire (Yellow/Red)	NA

Input 1 Connection

FT1 Output Add-On

Output 1 & 2 Connection

Pro Team Tech Line

** Please provide the following information to the TS rep in order to assist in expediting your request:

- • Client ID: (if available)
- • Client Name:
- • Zendesk Case:
- • Work Order Number:
- • Device ID:
- • Issue:

** If completing a device Swap (whether renewal or warranty related), please provide the following:

- • Asset Name
- • Old Device ID
- • New Device ID
- • Ideally, a photo of the old and new device can prove useful in expediting swaps as it
- provides other additional information that they require (IMEI and ICCID).