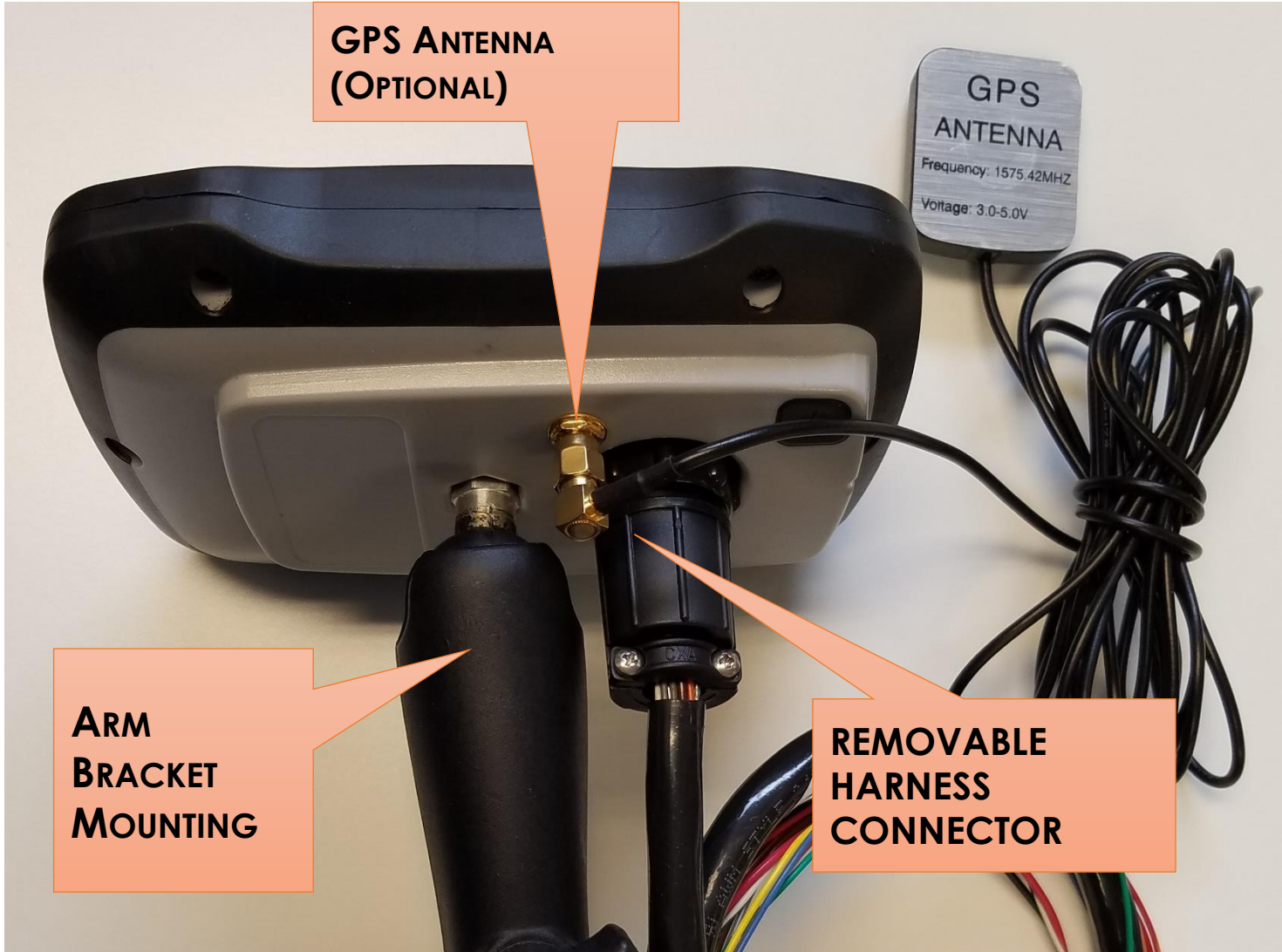


# ADVANCED INSTALLATION & USER MANUAL



# ADVANCED – USER MANUAL



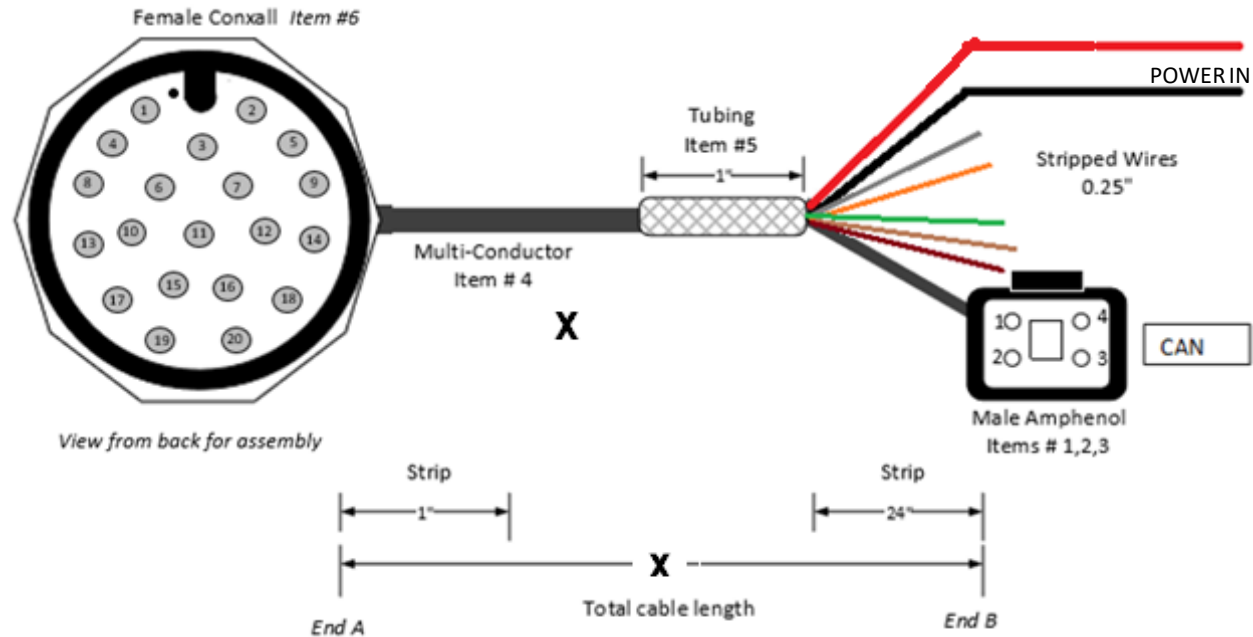
**2 MINUTE  
REPLACEMENT**



**MULTIPLE  
ARM/BASE  
COMBINATIONS  
TO FIT  
EQUIPMENT'S  
DASHBOARD**

# ADVANCED – WIRING HARNESS

## AssetPro Advanced – Equipment Harness



HARNESS LENGTH	
APA-W (OR C)-HX	REPLACE X WITH 4 FOR 4 FT LENGTH
	REPLACE X WITH 8 FOR 8 FT LENGTH

# ADVANCED – WIRING CONNECTIONS

20 PIN CONNECTOR	NAME	FUNCTION	COLOR	CONNECTED TO	VOLTAGE RANGE	NOTES
1	DC IN	PWR+	RED	BATTERY+	11-80 VDC	11 – 80 VDC
4	DC GND	PWR-	BLACK	BATTERY-	0V (GND)	BATT NEGATIVE
11	INPUT 1	KEY	GREY	KEY SWITCH	11-80 VDC	MONITORS KEY SWITCH. IF KEY SIGNAL IS LOST, IT LOGS OUT (RELAY TURNS OFF
12	INPUT2	VACUUM MOTOR	ORN/WHITE	VACUUM MOTOR	11-80 VDC	MONITORS SEAT/PEDAL. IF CONFIGURED, WHEN SIGNAL IS LOST, IT TURNS OF THE DEVICE AFTER PROGRAMMED TIME DELAY.
14	INPUT 3	BRUSH	GREY/WHITE	BRUSH	11-80 VDC	MONITORS BRUSH INPUT, IF CONNECTED
7	INPUT4	AUXILLARY	VIOLET (PURPLE)	AUXILLARY	11-80 VDC	MONITORS INPUT, IF CONNECTED
16	INPUT5	SEAT BELT	YELLOW	SEAT BELT SWITCH	11-80 VDC	MONITORS SEAT BELT – DOES NOT CONTROL REALY
15	CAN + (12V)	IMPACT SENSOR	RED/YELLOW	GTRAC (IMPACT SENSOR)	N/A	4 PIN AMPHENOL CONNECTOR PIN 1: RED/YEL PIN 2: WHITE (CAN_L) PIN 3: GREEN (CAN_H) PIN 4: BLACK/WHITE
10	CAN -		BLACK/WHITE			
3	CANH		GREEN			
6	CANL		WHITE			
18	RELAY IN	IGNITION RELAY CONTROL	BROWN/WHITE	KEY SWITCH	BATT VOLTAGE	REFER TO DIAGRAM 1, PAGE 3
20	RELAY OUT		BROWN	CUT END OF KEY SWITCH	BATT VOLTAGE	

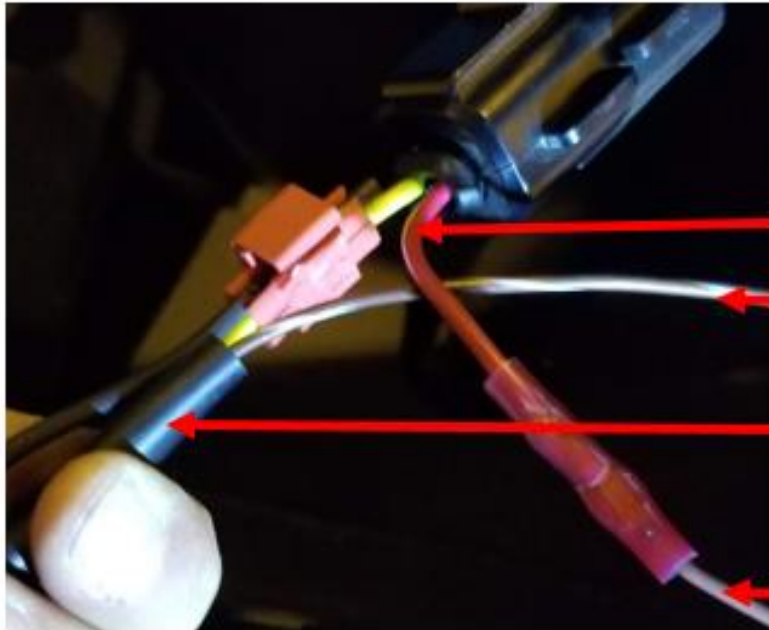
# IGNITION RELAY CONNECTIONS

## IMPORTANT:

RELAY (INTERNAL TO ADVANCED) IS CONENCTED IN SERIES WITH THE KEY SWITCH. IN ORDER TO CONTROL POWER TO THE EQUIPMENT:

- KEY SWITCH CONNECTION MUST BE CUT AND CONNECT TO COMMON CONTACT OF THE RELAY.
- NORMALLY CLOSE CONTACT OF THE RELAY WILL BE CONNECTED TO THE CUT END OF THE KEY SWITCH WIRE.
- IN ORDER TO POWER THE EQUIPMENT, KEY MUST BE ON AND ADVANCED MUST BE LOGGED ON WITH A VALID BADGE.

## KEY (IGNITION SWITCH) CONNECTIONS



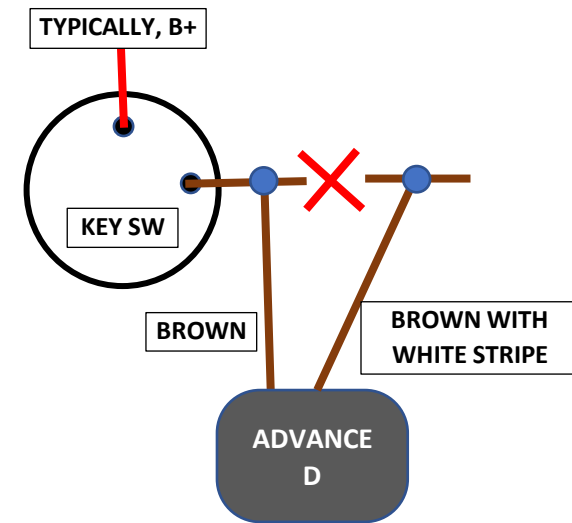
Key Switch another cut end

Brown/white wire from advanced

Key Switch cut end

Brown wire from advanced

PHYSICAL CONNECTION DIAGRAM



ELECTRICAL CONNECTION DIAGRAM

## HOME SCREEN

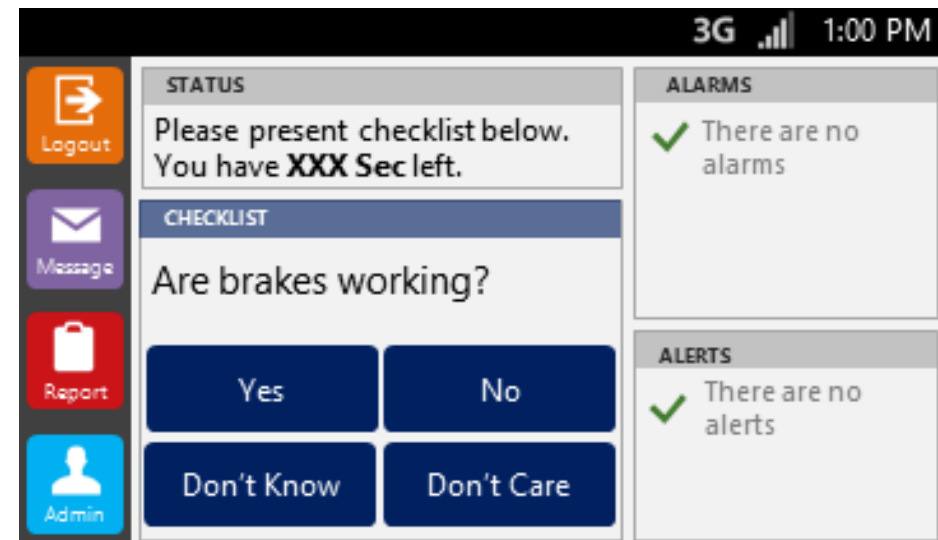
### LOG IN

Present your card or enter code to log in. Company name and welcome message can be programmed in AssetPro.



### CHECKLIST

After log in, you will be presented a check list if enabled. It must be completed. If skipped, an alert will be sent to designated personnel.



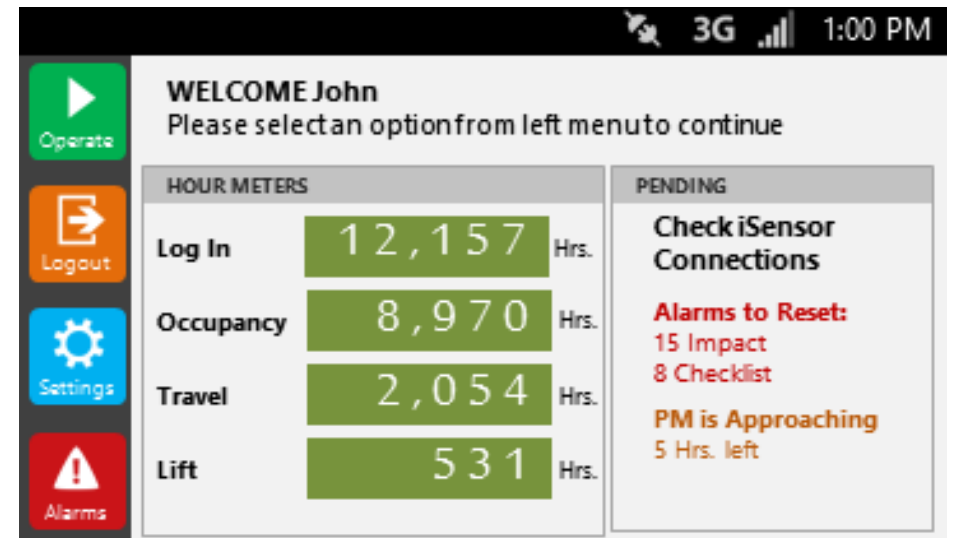
# STATUS

This screen show the status after checklist is complete. SPEED, WEIGHT AND BATT STATUS are provided if option is purchased.

**When Logged in Supervisor Badge, Hour Meters are displayed.**

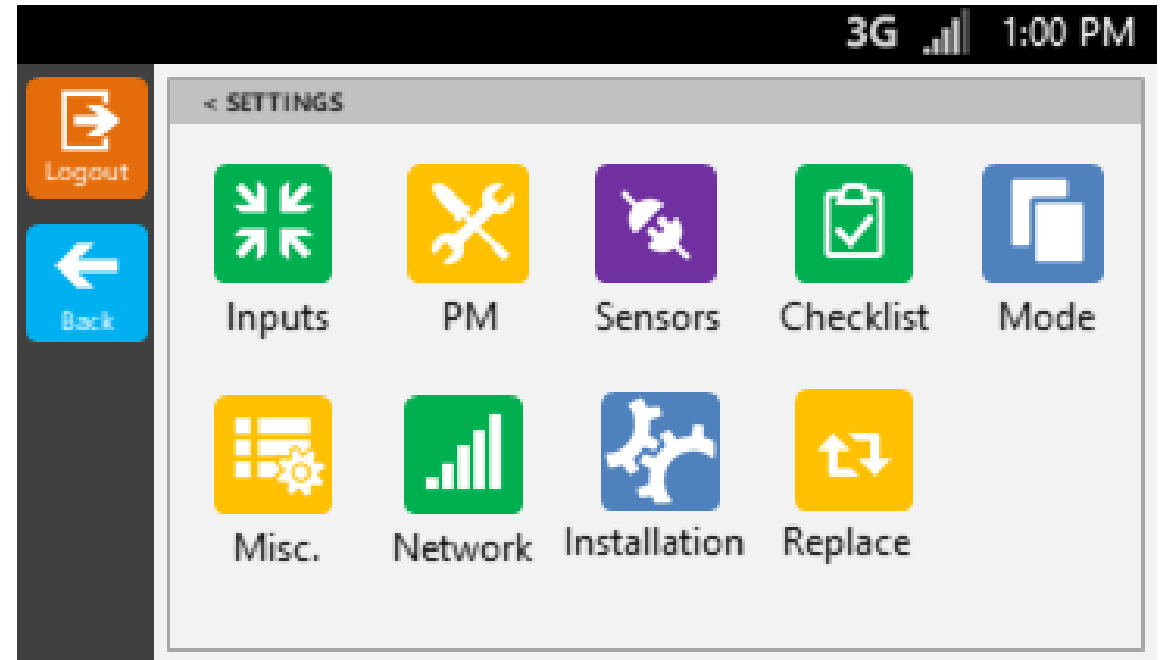


Settings Button allows changes in the system. Setting screen can be accessed by Admin, Supervisor or Maintenance badge.



# SETTINGS

FUNCTION	DESCRIPTION
<b>Inputs</b>	Enable/Disable Inputs. If Input is an Hour Meter, enter starting Hour Meter. If disabled, input will be ignored.
<b>PM</b>	Set Preventive Maintenance function
<b>Sensors</b>	Set impact setting, load setting (if purchased) and calibrate.
<b>Checklist</b>	Allows checklist settings and lockout
<b>Mode</b>	Enable Bypass or Maintenance Mode <b>Bypass</b> – Does not require badge or code. <b>Maint.</b> – Only SUPV and MAINT badge can access equipment.
<b>Misc.</b>	Various settings can be changed. Follow prompt.
<b>Network</b>	Configure WI-Fi or Cellular network settings.
<b>Installation</b>	Verifies wiring is correct. This screen can be very helpful to technicians to validate installation.
<b>Replace</b>	Allows replacement of the hardware.



## SETTINGS

Settings screen is accessible with Supervisor, Maintenance or Admin badge or code. Select desired setting icon and follow prompt.



## INSTALLATION VERIFICATION

### INPUTS

Inputs can be verified by activating desired signal. When signal is present, light will turn green.

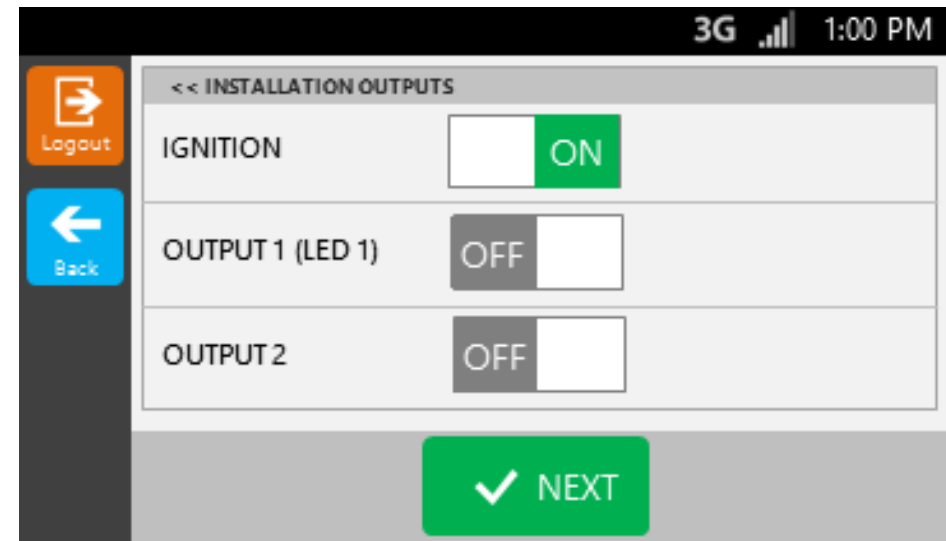
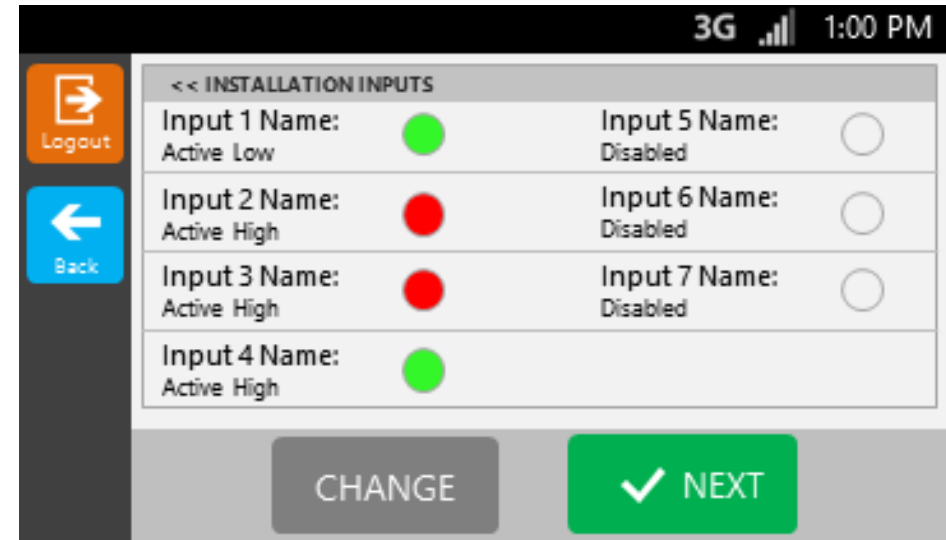
If the light turns red when signal is present, you will have to change setting (from Active Low or High or vice versa). To set this, press Blue Back Button on the left and select **Inputs**. Select desired input and make change as necessary. (Refer to previous page)

### RELAY WIRING

Press IGNITION button. When it turns green, a relay will be activated and if wired correctly, equipment will get power.

### OUTPUT 1 & 2

Not Used



## GTrac (Impact Sensor)

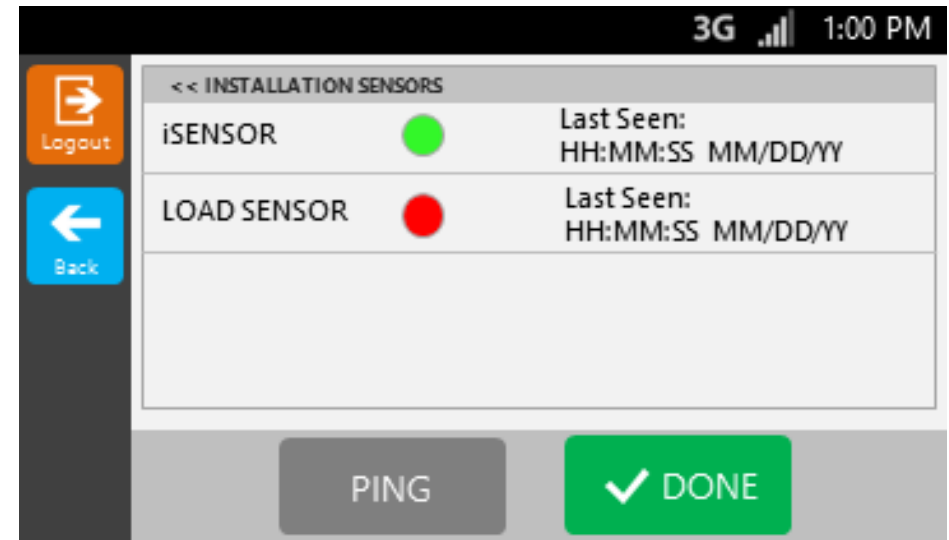
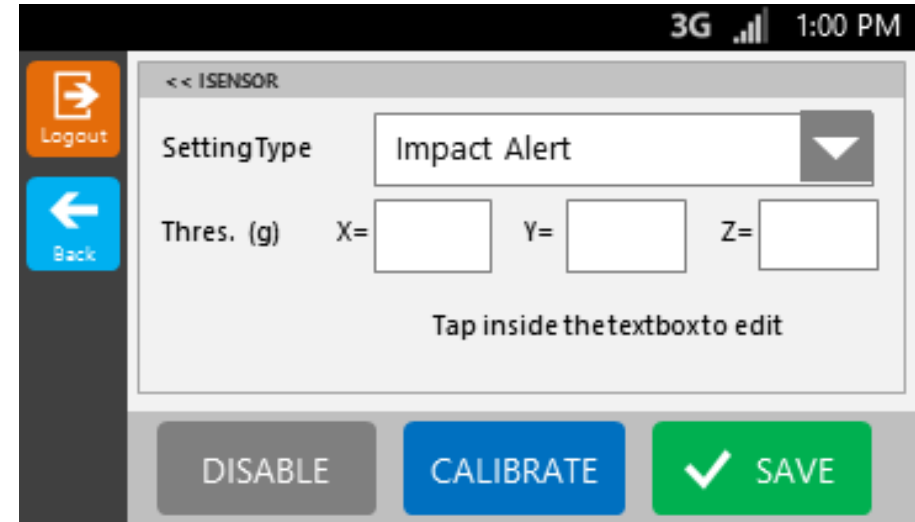
If GTrac (Impact sensor) is purchased, you can set up impact for X, Y, Z.

You must press CALIBRATE after sensor is installed per instruction.

After calibration, press SAVE to exit. If the sensor is not connected or communicating with the Advanced, Light as shown on right will turn red.

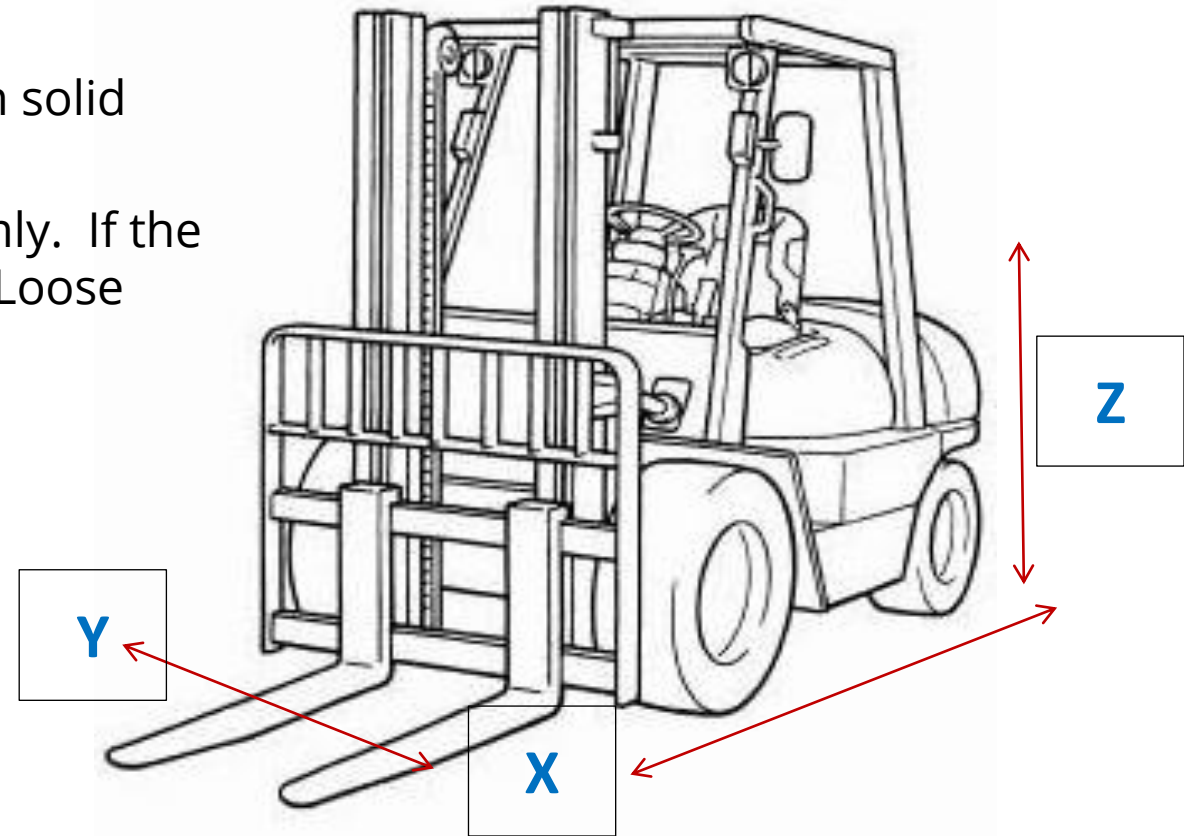
If GTrac communicates with advanced, it will turn green and display last time it communicated.

**Go To Next Page to learn How to Install GTrac**



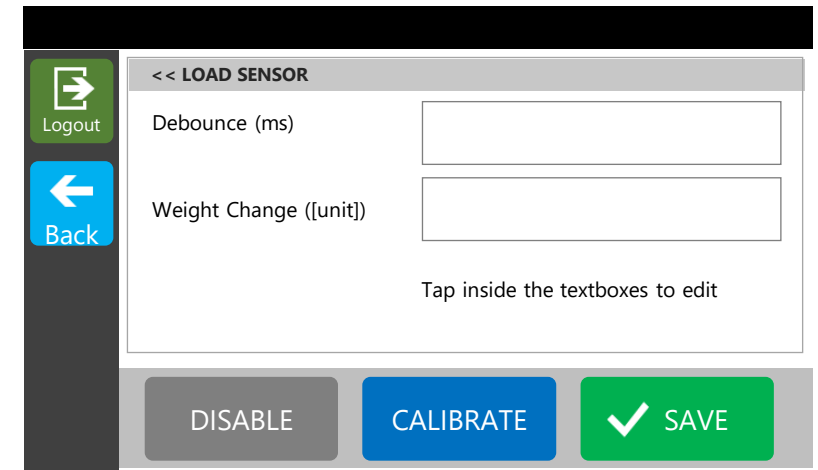
## Impact Sensing Basics

1. Read instructions carefully. Place GTrac on firm solid surface with no vibration.
2. Clean the surface with degreaser and apply firmly. If the sensor is loose, use quick set epoxy to secure. Loose sensor can cause false alarm.
3. You must calibrate sensor on Advanced.

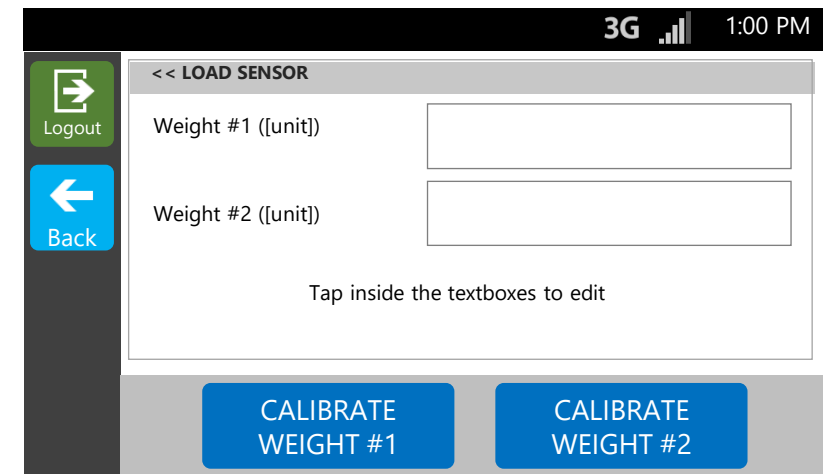


## Load Trac Installation

1. Obtain written approval from the manufacturer to install Load sensor.
2. LoadTrac must be installed by a qualified technician.
3. After installed, make sure there is no leak in hydraulic line.
4. Connect 3 Pin Deutsch connector to GTrac.
5. Go to Settings>Sensors. Select LoadTrac.
6. Enter Debounce time (it allows load measurement to stabilize before recorded. Value should be form 5000– 1000)
7. Enter desired unit. Press Next.
8. Enter zero weight on in the field Weight #1
9. Pick up a known load and raise forks about 2 feet. Enter know eight in Weight #2.
10. Press Calibrate and follow prompt.
11. It may take about 30 seconds to calibrate. Exit Settings screen after successful calibration.



The screenshot shows a mobile application interface for configuring a Load Sensor. The title bar at the top reads '<< LOAD SENSOR'. On the left side, there is a vertical navigation bar with a 'Logout' button (green with a right-pointing arrow) and a 'Back' button (blue with a left-pointing arrow). The main content area contains two text input fields: 'Debounce (ms)' and 'Weight Change ((unit))'. Below these fields is the instruction 'Tap inside the textboxes to edit'. At the bottom of the screen, there are three buttons: 'DISABLE' (grey), 'CALIBRATE' (blue), and 'SAVE' (green with a white checkmark).



The screenshot shows the same mobile application interface, but now the 'Weight #1 ((unit))' and 'Weight #2 ((unit))' fields are visible. The 'CALIBRATE' button is now split into two separate blue buttons labeled 'CALIBRATE WEIGHT #1' and 'CALIBRATE WEIGHT #2'. The status bar at the top right shows '3G' signal strength and '1:00 PM' time. The 'Logout' and 'Back' buttons remain on the left side.

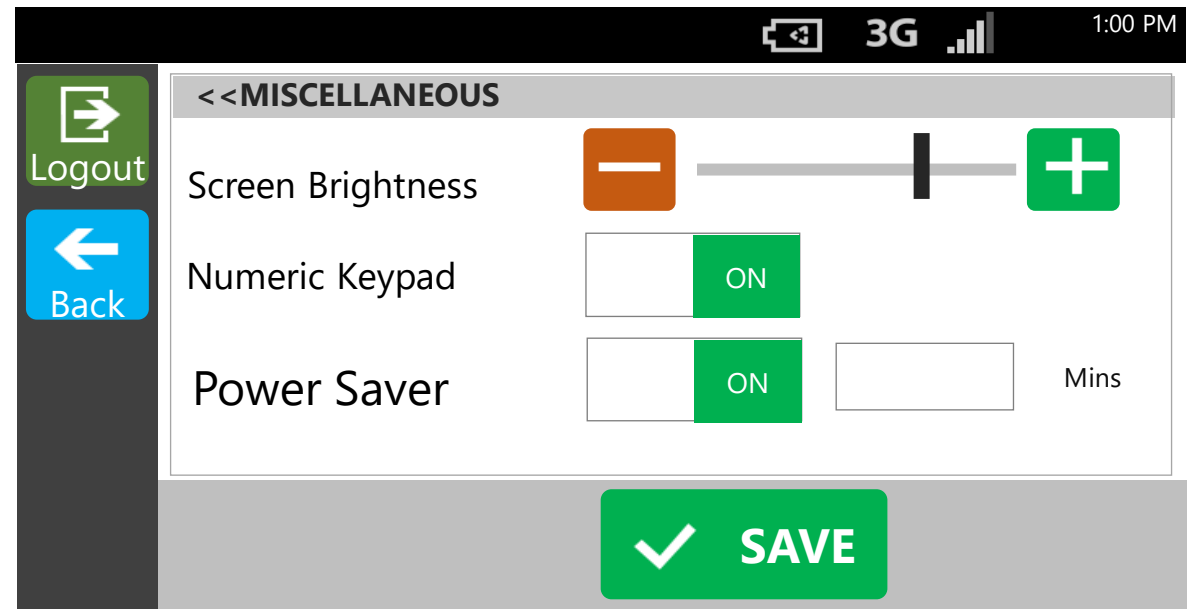
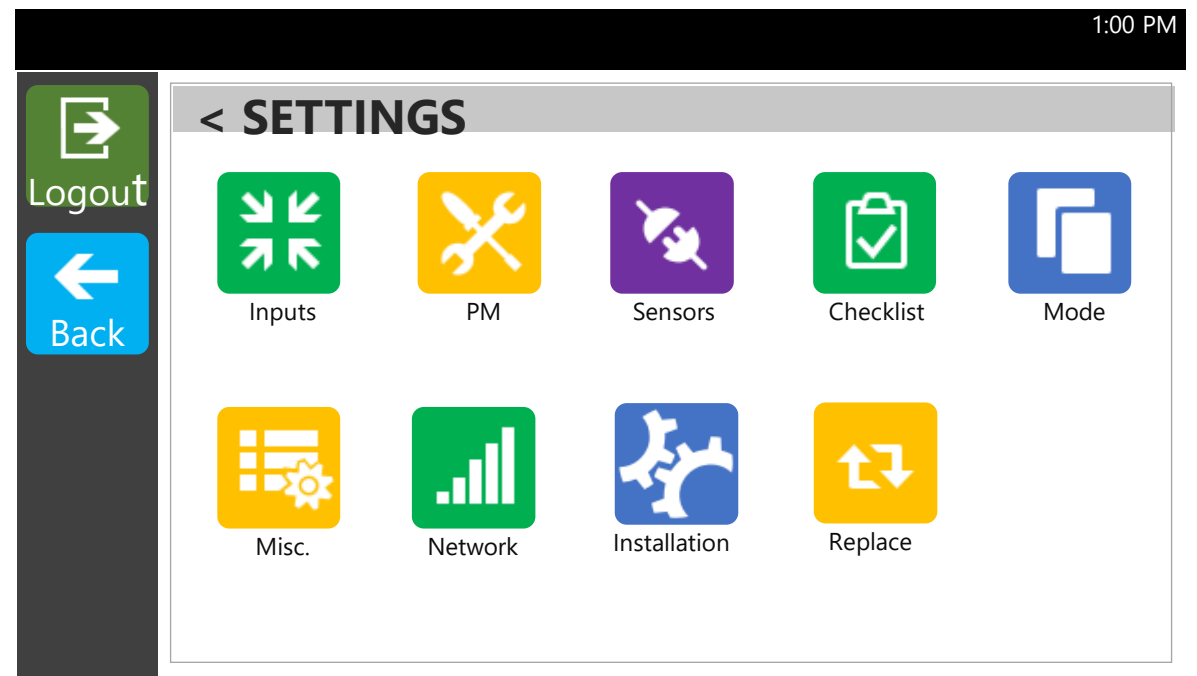
## POWER SAVER FUNCTION

When equipment is powered by Internal Combustion (IC) engine, the battery can be drained if equipment is not used for several days. In order to save battery life, ADVANCED can be shut down after preset time.

To enable this function, go to **Settings > Misc.** Press **NEXT** until you see Power Saver FUNCTION.

Turn ON Power Saver by pressing the switch. It will turn Green. Enter minutes from 15 – 480. Press **SAVE** and exit the screen.

Make sure Key Switch is wired per wiring diagram. When Key switch is turned OFF, a timer will start counting down. If the Key switch is not turned back on during this time, Advanced will shut down. Turning Key back on will power it up.



## Contact Info:

Please contact us at 908-789-8700 and ask for Technical Support or email us at [support@TheAccessway.com](mailto:support@TheAccessway.com). Please provide your company, product name and your contact info including mobile phone no.

