REV.5

TARANTULA

by SOUNDSTREAM

RS.3

ADVANCED REMOTE STARTER

INSTALLATION GUIDE

www.security.soundstream.com

FCC ID NOTICE

This device complies with Part 15 of the FCC rules. Operation is subject to the following conditions:
1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

CAUTION: Changes or modifications not expressly approved by the part responsible for compliance void the user's authority to operate this device.

TABLE OF CONTENTS

QUICK VIEW WIRING DIAGRAM.....3-4
Connector Pin Configuration
Antenna Connector
Park Light Jumper

INSTALLATION NOTES.....5

TACH LEARNING.....6
Data Tach Mode
Tach/ Tachless Learn
Hybrid Mode

QUICK VIEW PROGRAMMING.....7-9
Enter Program Mode
System Reset
Menu 1,2,3 & 4

SYSTEM WIRING DETAILS.....10-14
Connector Views
Wiring Description

INSTALLER NOTES.....15
Page for Installation Notes

TRANSMITTER PROGRAMMING.....16
Adding/ Reprogramming Transmitter
Second Car Operation
PADLOC

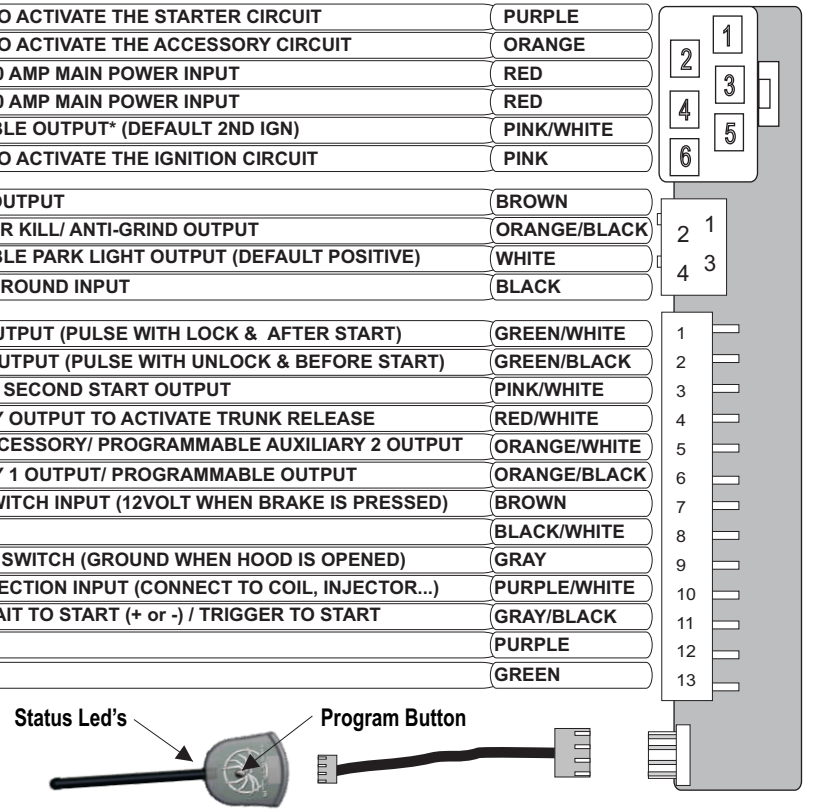
DIAGNOSTICS.....17
Diagnostic Chart
Diagnostic Memory

DOOR LOCK DIAGRAMS.....18-19
Relay Diagrams

CONTACT INFORMATION.....20

QUICK VIEW WIRE DIAGRAM

OUTPUT TO ACTIVATE THE STARTER CIRCUIT	PURPLE
OUTPUT TO ACTIVATE THE ACCESSORY CIRCUIT	ORANGE
12VOLT/ 30 AMP MAIN POWER INPUT	RED
12VOLT/ 30 AMP MAIN POWER INPUT	RED
SELECTABLE OUTPUT* (DEFAULT 2ND IGN)	PINK/WHITE
OUTPUT TO ACTIVATE THE IGNITION CIRCUIT	PINK
(-) HORN OUTPUT	BROWN
(-) STARTER KILL/ ANTI-GRIND OUTPUT	ORANGE/BLACK
SELECTABLE PARK LIGHT OUTPUT (DEFAULT POSITIVE)	WHITE
SYSTEM GROUND INPUT	BLACK
REARM OUTPUT (PULSE WITH LOCK & AFTER START)	GREEN/WHITE
DISARM OUTPUT (PULSE WITH UNLOCK & BEFORE START)	GREEN/BLACK
NEGATIVE SECOND START OUTPUT	PINK/WHITE
AUXILIARY OUTPUT TO ACTIVATE TRUNK RELEASE	RED/WHITE
(-) 2ND ACCESSORY/ PROGRAMMABLE AUXILIARY 2 OUTPUT	ORANGE/WHITE
AUXILIARY 1 OUTPUT/ PROGRAMMABLE OUTPUT	ORANGE/BLACK
BRAKE SWITCH INPUT (12VOLT WHEN BRAKE IS PRESSED)	BROWN
NOT USED	BLACK/WHITE
HOOD PIN SWITCH (GROUND WHEN HOOD IS OPENED)	GRAY
TACH DETECTION INPUT (CONNECT TO COIL, INJECTOR...)	PURPLE/WHITE
DIESEL WAIT TO START (+ or -) / TRIGGER TO START	GRAY/BLACK
NOT USED	PURPLE
NOT USED	GREEN



* The selectable output can be changed in the program mode to output as a 2nd Accessory or 2nd Start output. Default output is second ignition. **This output does not change back to 2nd Ignition upon reset.**

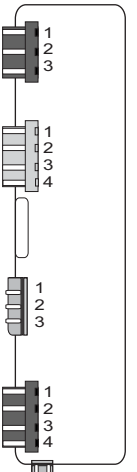
WARNING -NEVER INSTALL AN AUTOMATIC REMOTE START IN A MANUAL TRANSMISSION VEHICLE!

QUICK VIEW WIRE DIAGRAM

OUTPUT TO ACTIVATE DOOR LOCK CIRCUIT (-)	GREEN
OUTPUT FOR VOLTAGE INVERTER*	N/A*
OUTPUT TO ACTIVATE DOOR UNLOCK CIRCUIT (-)	BLUE

NOT USED

(-) WHILE RUNNING OUTPUT (BYPASS TURN ON)	ORANGE
GROUND OUTPUT FOR BYPASS MODULE	BLACK
	N/A



BYPASS MODULE DATA COMMUNICATION PORT***

The default setting is set for FORTIN™ Bypass Modules.

THERMISTOR/ INPUT TRIGGER TO START****

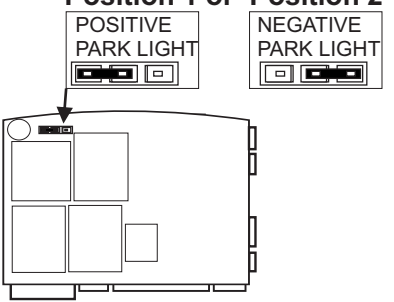
The thermistor can be installed in the engine compartment for engine temperature or in under the dash for interior temperature. Must be connected prior to power-up to be detected by the remote starter.

SELECTABLE PARK LIGHT OUTPUT*****

BY DEFAULT THE SYSTEM COMES WITH THE PARK LIGHT JUMPER SET FOR POSITIVE PARK LIGHT OUTPUT.

TO CHANGE THE SYSTEM TO A NEGATIVE PARK LIGHT OUTPUT, PLACE THE JUMPER IN THE NEGATIVE PARK LIGHT POSITION SHOWN IN THE DIAGRAM. **(Position 2)**

Position 1 or Position 2



NOTES

PLEASE NOTE

*** THE CENTRE PIN OF THE KEYLESS CONNECTOR IS LOW CURRENT AND IS DESIGNED TO SUPPLY POWER TO DOOR LOCK MODULES (DO NOT CONNECT TO RELAYS) OVERLOADING THIS OUTPUT WILL DAMAGE THE MODULE!**

****THIS CONNECTOR IS USED FOR THE *ARS .1* ALARM MODELS ONLY. A GROUND PULSE TO THE BLUE WIRE WILL CAUSE THE ALARM TO BEEP 3 TIMES (WARN AWAY). A GROUND PULSE TO THE GREEN WIRE WILL CAUSE THE ALARM TO ACTIVE FOR 60 SECONDS (FULL TRIGGER) THIS INPUT CAN BE USED FOR AN ADDITION SENSOR SUCK AS A RADAR, GLASS BREAK OR AN EXTRA SHOCK SENSOR. THIS INPUT IS TURNED ON AND OFF WITH THE MAIN SHOCK SENSOR.**

*****THIS INPUT IS USED TO CONNECT BYPASS MODULES USING THE DATA TO DATA TYPE CONNECTION. THERE ARE 2 SELECTION TYPES. THE DEFAULT SETTING IS FOR FORTIN™ MODULES. THE SECOND IS FOR IDATA™ BYPASS MODULES. IF THE BYPASS KIT IS A FORTIN™ PRODUCT SIMPLY CONNECT TO THIS INPUT AND PROGRAM THE BYPASS MODULE AS PER THE INSTRUCTIONS. WHEN INSTALLING A IDATA™ BYPASS MODULES SET ENTER PROGRAM MODE AND SET THE MODULE FOR IDATA™. (MENU 4, SETTING 4, OPTION 1).**

******THE THERMISTOR WILL DETECT THE ENGINE OR INTERIOR TEMPERATURE OF THE VEHICLE AND TRIGGER THE VEHICLE TO START WHEN IN COLD START MODE. THE THERMISTOR MUST BE CONNECTED PRIOR TO POWER UP TO BE DETECTED BY THE UNIT.**

*******ALWAYS TEST AND CONFIRM THE PARK LIGHT POLARITY BEFORE MAKING YOUR CONNECTION TO THE VEHICLE.**

MANUAL TRANSMISSION VEHICLES MUST BE INSTALLED USING A MANUAL TRANSMISSION MODEL.
REMOTE STARTER.

NEVER INSTALL A AUTOMATIC MODEL INTO A MANUAL TRANSMISSION VEHICLE.

SYSTEM WIRING DETAILS

AUTO TACH/ TACHLESS LEARNING

Start the vehicle with the ignition key.

2 HONKS/ 2 FLASHES = TACH MODE
3 HONKS/ 3 FLASHES = DATA TACH MODE
4 HONKS/ 4 FLASHES = TACHLESS MODE

NOTES:
When tach learning the system first sends out a request for tach from the data port. If it gets a valid rpm response over 750 rpm then it goes into Data Tach Mode (3 flashes). If there is no response, the unit will look for the Tach/ Tachless input.

Once the starter goes on then off, the unit will learn Tach, if there is no Tach detected within a few seconds after starting, the system will learn in Tachless mode after 20 seconds.

If there is no starter detected, the system learns Tach after 30 seconds. If no tach is detected the system will learn Tachless after an additional 10 seconds.

HYBRID MODE'S

Hybrid mode 1 - This option requires a tach connection. Once the vehicle starts the system will not monitor the tach input and stay running for 15 minutes.

Hybrid Mode 2- (No Tach wire connection)This setting will power up the ignition wires, pulse the start output for 2 seconds then stay on/ run for 15 minutes. See Program Menu 4, Hybrid Mode 1& 2. Hybrid mode 2 was designed for "Push to Start" systems and hybrid vehicles that may not actually start until the battery voltage drops.

****Hybrid Mode 2** is also ideal for vehicles with no starter wire or "Automatic Starting". This is when the vehicle's starter motor will continue to crank and start the vehicle even if the key is only turned to the start position momentarily.

LOW IDLE LEARNING

Hold the brake then start the vehicle with the key. Place the transmission into reverse to lower the RPM. Press and release the button on the antenna twice. The system will Honk the Horn and flash the park lights two times to confirm Tach Mode or Honk 4 times/ 4 flashes to indicate Tachless Mode re-learn.

PROGRAM MODE

ENTERING PROGRAM MODE

1 - Cycle the Ignition Key On/Off On/Off On (Leaving the key ON)
2 - Press and release the Program Switch 1 time. The park lights will turn on and the Horn will Honk to confirm entering program mode.
3 - Select the Program Menu by pressing...

Press Lock	Press Unlock	Press Start	Press #
MENU 1	**MENU 2**	**MENU 3**	**MENU 4**

The system will confirm the program menu by flashing park lights and honking the horn.
4 - <u>Press and Release the Program Switch</u> to advance through the settings.
(*Confirmed by Park Lights/ Horn & LED flashes)*
5 - <u>Press and hold the Program Switch</u> to change the setting.
(*Confirmed by Park Lights/ Horn & LED flashes)*
***6* - To exit Program Mode, turn the key off.**
(Confirmed by Long Horn Honk)

Example- Programming Menu 1, Setting 6 to 2nd Unlock.
1 - Cycle the Ignition Key On/Off On/Off On
2 - Press and release the Program Switch 1 time. (1 honk 1 flash)
3- Press and release the Lock button for Menu 1. (1 honk/ 1 flash)
4- Press and release the program button until the LEDs on the antenna flash 6 times.
****The park lights will flash and the horn will honk 6 times to confirm the current setting)**
5- Press and hold the program button. The Park Light will flash once (option 1), pause then flash twice to confirm option 2 has been selected.
****The horn will honk 1 time (option 1) then 2 times to confirm the option 2.**
6- Release the program switch and turn off key to exit.

SYSTEM RESET

1 - Cycle the Ignition Key On/Off On/Off On (**Leaving the key ON**)
2 - Press and **<u>RELEASE</u>** the Program Switch 1 time and the park lights will turn on.
(Horn will Honk to confirm program mode has been entered)
3 - Press and **<u>HOLD</u>** the Program Switch for 5 seconds or until the Park Lights flash 3 times.
(*Confirmed by 3 Park Lights flashes/ Horn Honks)*
4 - Turn the ignition key **<u>OFF</u>** to exit.

PROGRAM MODE 1 (1 Flash/ 1 Honk)

PROGRAM MODE 1

SETTING # LED FLASHES	SETTING DESCRIPTION	OPTION 1 1 HONK	OPTION 2 2 HONKS	OPTION 3 3 HONKS
1	IGNITION AUTO-LOCK	IGNITION AUTO-LOCK / UNLOCK	IGNITION AUTO-LOCK ONLY	**IGNITION AUTO-LOCKS DISABLED**
2	HORN SETTINGS	HORN HONKS DISABLED	**HORN HONKS ENABLED**	
3	DOOR LOCK PULSE OPTIONS	DOUBLE UNLOCK & SINGLE LOCK	DOUBLE LOCK & SINGLE UNLOCK	**SINGLE LOCK & SINGLE UNLOCK**
4	DOOR LOCK / UNLOCK PULSES	0.25 SEC PULSES	3 SEC PULSES	**0.75 SEC PULSES**
5	AUX CHANNEL 1	(-) IGNITION CAR FINDER ON	DOME LIGHT CAR FINDER ON	**AUX 1 OUTPUT WITH DISARM**
6	AUX CHANNEL 2	AUX OUTPUT 2 WITH DISARM	2ND UNLOCK	**(-) ACCESSORY OUTPUT**
7 ARS.1 ONLY	PASSIVE DOOR LOCKS	PASSIVE DOOR LOCKS DISABLED	**PASSIVE DOOR LOCKS ENABLED**	
8 ARS.1 ONLY	PASSIVE ARMING/ PASSIVE ST. KILL	FULL PASSIVE ARMING ENABLED	PASSIVE SAFETY REARM ENABLED	**ACTIVE ARMING ONLY**
9 ARS.1 ONLY	SHOCK / AUX SENSOR	INTERNAL SHOCK DISABLED	BOTH SENSORS DISABLED	**BOTH SENSORS ENABLED**

PROGRAM MODE 2 (2 Flashes/ 2 Honks)

PROGRAM MODE 2

SETTING # LED FLASHES	SETTING DESCRIPTION	OPTION 1 1 HONK	OPTION 2 2 HONKS	OPTION 3 3 HONKS
1	VALET SETTINGS	SECURE VALET 15 SECONDS	**STANDARD VALET**	
2	PARK-LIGHT OUTPUT	30 SECONDS ON DISARM	**NORMAL OPERATION**	
3	HORN TIMING	5MS OUTPUT	50MS OUTPUT	**10MS OUTPUT**
4 ARS.1 ONLY	SIREN OPTIONS	30 SECOND DURATION	PULSED FOR HORN	**60 SECOND DURATION**
5	HOOD PIN INPUT	N/C FACTORY TYPE	**N/O AFTER MARKET SWITCH**	
6 N/A	RESERVATION MODE	**N/A**	**N/A**	

PROGRAM MODE 3 (3 Flashes/ 3 Honks)

PROGRAM MODE 3

SETTING # LED FLASHES	SETTING DESCRIPTION	OPTION 1 1 HONK	OPTION 2 2 HONKS	OPTION 3 3 HONKS
1	SELECTABLE RELAY	2ND STARTER	2ND ACCESSORY	**2ND IGNITION**
2	SPECIAL DOOR LOCK OPTIONS	UNLOCK BEFORE / LOCK AFTER START	LOCK AFTER STARTER SHUT OFF	**NO ADDITIONAL PULSES**
3	GAS / DIESEL MODE	NEG GLOW PLUG / 30 SEC DELAY	(+) START TRIGGER (2X) 10 SECOND DELAY START	**GAS / POSITIVE GLOW PLUG**
4	RE-ARM OPTIONS	PULSE WITH LOCK	PULSE AFTER START (DEFROST / SEAT)	**PULSE WITH LOCK & AFTER SHUTDOWN**
5	RUNTIME	4 MINUTE RUNTIME	45 MINUTE RUNTIME	**15 MINUTE RUNTIME**
6	REMOTE START ACTIVATION	PRESS BUTTON TWICE TO START	**PRESS BUTTON ONCE TO START**	
7	LED FLASHES	LEDS DO NOT FLASH WHEN LOCKED/ ARMED	**LEDS FLASH WHEN LOCKED/ ARMED**	
8	SPECIAL DISARM	PULSES ACC & GRW WHEN DISARMED	**NORMAL DISARM**	
9	1 & 2 BUTTON REMOTE'S	UNLOCK ONLY UNLOCK & START FOR TIMER MODE	UNLOCK/ LOCK TOGGLE UNLOCK & START FOR TIMER MODE	**4 BUTTON REMOTE**

PROGRAM MODE 4 (4 Flashes/ 4 Honks)

PROGRAM MODE 4

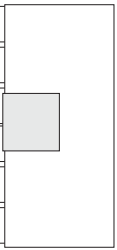
SETTING # LED FLASHES	SETTING DESCRIPTION	OPTION 1 1 HONK	OPTION 2 2 HONKS	OPTION 3 3 HONKS
1	TACH OPTIONS	HYBRID MODE 1	HYBRID MODE 2	**AUTO TACH / TACHLESS**
2	ADJUST FOR OVER-CRANK	INCREASES TACH SETTING BY 10%		
3	ADJUST FOR UNDER-CRANK	DECREASE TACH SETTING BY 10%		
4	TACH WAIT SETTINGS	300ms TACH CHECK DELAY	750ms TACH CHECK DELAY	**NO TACH CHECK DELAY**
5	BYPASS MODULE SELECTION TYPE	IDATA™ LINK BYPASS MODULE	**FORTIN™ BYPASS MODULE**	

***The default setting is for IDATA™link modules. For FORTIN™ bypass modules power-up the system with FORTIN™ module connected to the data port to set the default to FORTIN™ bypass module.**

SYSTEM WIRING DETAILS

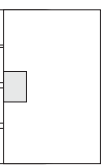
6-PIN CONNECTOR

OUTPUT TO ACTIVATE START CIRCUIT	PURPLE
OUTPUT TO ACTIVATE ACCESSORY/ HEATER CIRCUIT	ORANGE
30A HIGH CURRENT 12VOLT INPUT	RED
30A HIGH CURRENT 12VOLT INPUT	RED
SELECTABLE OUTPUT (DEFAULT SECOND IGNITION)	PINK/WHITE
OUTPUT TO ACTIVATE IGNITION CIRCUIT	PINK



4-PIN CONNECTOR

HORN OUTPUT (-)	BROWN
STARTER-KILL/ ANTI-GRIND OUTPUT	ORANGE/BLACK
JUMPER SELECTABLE PARK LIGHT OUTPUT (+ OR -)	WHITE
SYSTEM GROUND INPUT	BLACK



PIN-1 PURPLE **Starter Output-**This wire will test 0V when the key is off, in the Accessory position and when the Ignition is in the on position. The starter wire is 12volts during the start/ crank position only.

PIN-2 ORANGE **Heater/Acc Output-**This wire will test 0V when key is off, 12volts in the ACC and IGN positions and off during start/ crank position.

PIN-3 RED **12volt Input(30amp)-** This input supplies the 12volt power for the Ignition, Park Lights and the Selectable output.

PIN-4 RED **12volt Input(30amp)-** This input supplies the 12volt power for the Accessory and Starter outputs.

PIN-5 PINK/WHITE Selectable Output - 2nd Ignition, Accessory or Start output. Programmable. Note: This output does not switch to default when the system is reset.

PIN-6 PINK **Ignition Output-** This wire will test 0V in the off and Accessory positions the switch to12volts in the Ignition and Start positions.

PIN-1 BROWN **(-) Horn Output-** Connect to the vehicle's horn wire.

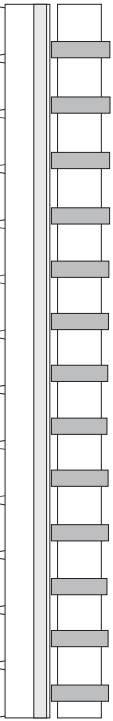
PIN-2 ORANGE/BLACK **Starter Kill/ Anti-Grind-** This wire can be connected to an additional relay to disable the start circuit when the lock button is pressed. The output will also stay on when remote started, this will prevent the starter motor from being re-engaged while the vehicle is running.

PIN-3 WHITE **Jumper Selectable Park Light Output (+ or -)-** Connect to the vehicles positive park light wire or change the jumper and connect to the vehicle negative park light wire. The default position of the jumper is **Positive Park light Output.**

PIN-4 BLACK **System Ground Input-** Connect to chassis ground.

13 PIN CONNECTOR

OUTPUT FOR FACTORY ALARM RE-ARM	GREEN/WHITE
OUTPUT FOR FACTORY ALARM DIS-ARM	GREEN/BLACK
NEGATIVE STARTER OUTPUT	PINK/WHITE
OUTPUT FOR TRUNK RELEASE ACTIVATION	RED/WHITE
NEGATIVE ACCESSORY OUTPUT/ AUXILIARY OUTPUT 2	ORANGE/WHITE
AUXILIARY OUTPUT 1/ PROGRAMMABLE OUTPUT	ORANGE/BLACK
BRAKE SWITCH INPUT (+) WHEN BRAKE IS PRESSED	BROWN
NOT USED	BLK/WHT
HOOD PIN SWITCH INPUT	GRAY
TACH WIRE INPUT	PURPLE/WHITE
WAIT TO START (DIESEL VEHICLES)	GRAY/BLACK
NOT USED	PURPLE
NOT USED	GREEN



1-GREEN/WHITE **Re-arm(-)** (Programmable) - Supplies one .75 second pulse when locked and one .75 second pulse after remote start shutdown. Factory alarm re-arm/ RAP shutdown.

2-GREEN/BLACK **Dis-arm(-)** - .75 second pulse when unlock button is pressed and one .75 second pulse before remote start activation. For factory alarm dis-arm/ "wake up".

3-PINK/WHITE **(-) Start/ Crank -** Negative output during crank/ start.

4-RED/WHITE **Trunk Release(-)** - Output will activate when the TRUNK button is held for at least 3 seconds.

5- ORANGE/WHITE **2nd Acc (-) / Auxiliary Output 2** (Programmable) - Ground output at the same time as the primary Accessory. output. This output can be programmed to activate as an auxiliary output when the trunk and start buttons are held.

6- ORANGE/BLACK **Auxiliary Output 1/ Programmable Output** - Auxiliary Output 1 Programmable to (-) Ignition/ Car Finder and Dome Light Supervision with Car Finder.

7- BROWN **Brake Switch input (+) -** This wire must be connected to the wire at the brake switch that changes to 12volts when the brake is pressed.

8- BLACK/WHT NOT USED

9- GRAY **Hood Pin Input (-) -** Connect this wire to the supplied hood pin switch. If ground is detected on this input the remote starter will not activate.

10- PURPLE/WHITE **Tach Wire Input (A/C) -** This wire is used to to detect when the vehicle has started. The Tach source is typically taken from a fuel injector, coil, coil pack or crank position sensor. The Tach wire is generally found as the opposite from the common wire at the coil or fuel injector.

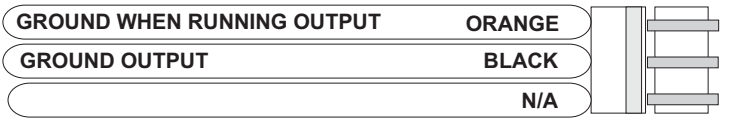
11- GRAY/BLACK **Wait to Start Input (+ or -)** (Programmable) - On diesel vehicles connect this wire to the wait to start or glow plug wire. The system will wait for the input to turn off then remote start. A start delay may also be programmed to avoid this connection.

12- PURPLE **NOT USED**

13- GREEN **NOT USED**

SYSTEM WIRING DETAILS

3 PIN BYPASS CONNECTOR



1- ORANGE Wire- Ground When Running (-)
Connect this wire to the your bypass modules negative turn on wire. When the remote starter is activated this wire will switch to ground.

2- BLACK Wire- System Ground (-)
Connect this wire to the ground input on the bypass module.

3- N/A

4 PIN DATA BYPASS

This input is used to connect bypass modules using the data to data type connection. There are 2 selection types. The default setting is set for FORTIN™ Bypass Module, the second is for IDATA™™ Bypass Modules.

2 PIN THERMISTOR/ START TRIGGER

The thermistor can be installed in the engine compartment for engine temperature or in
under the dash for interior temperature. The start trigger will activate the remote starter when grounded.

***The Thermistor must be connected before power-up to be detected by the system.**

PROGRAMMING ADDITIONAL TRANSMITTERS

The system can lean up to 4 different remote's. Each remote to be used MUST be programmed together during the same sequence. For security, when a new remote is programmed all previous remote's are deleted. Please see remote operation chart for information on using Second Car / Pad Lock Operations.

ENTERING REMOTE PROGRAM MODE

Cycle the Ignition Key - ON/OFF ON/OFF ON (Leaving the key ON)

Press and HOLD the valet switch, the Park Lights will turn on.
***If connected the Horn will Honk once.**
(Repeat from Step 1 if the system does not respond)

After 5 seconds the park lights will turn off.
***If connected the Horn will Honk 5 times.**

PROGRAMMING REMOTE'S

Press and release the Lock Button on each of the remote's to be programmed.
See notes below if the remote is to be programmed for 2nd car or PADLOC.

The system will respond by flashing the park lights for each remote.
***If connected the Horn will Honk once for each remote.**

Turn off the key when all the remote's are programmed.

SECOND CAR & PADLOCK

PADLOC is used to prevent accidental activation on the remote. The Trunk Button must be Pressed at the same time as the intended feature button. (See Second Car/ PADLOC operation) Use the same remote programming mode and enter the transmitter's using the Trunk Button instead on the Lock Button.

2nd Car Operation allows a single remote to control two vehicles. Use the same remote programming mode and enter the transmitter as shown below.
In Car One- Press Lock on both car 1 remote's. Press Trunk on both car 2 remote's.
In Car Two- Press Lock on both car 2 remote's. Press Trunk on both car 1 remote's.

DIAGNOSTICS

DIAGNOSTICS CHART

If the remote starter does not activate when the start button is pressed the park lights will flash a diagnostic to indicate what shutdown input has been triggered. For example: If the start button is pressed the park lights flash 3 times slowly. Looking at the chart below this would indicate that the system is in Service Mode, simply follow the instructions listed in the owners manual on exiting Service Mode and the remote starter will begin to function as normal.

PARK LIGHTS	STATUS LED	DIAGNOSTIC CODE
3 Slow Flashes	LEDs “ON” Solid	System Is In Service Mode
4 Slow Flashes	Series of 4 Flashes	N/A
5 Flashes	Series of 5 Flashes	Hood Open
5 Slow Flashes	Series of 5 Flashes	Ignition On During Start Attempt
6 Flashes	Series of 6 Flashes	Brake Pedal Shutdown
7 Flashes	Series of 7 Flashes	Tach Lock-Out
8 Flashes	Series of 8 Flashes	3 Start Attempts Without Starting

TO ENTER DIAGNOSTIC MEMORY

Step 1- Turn the ignition ON then OFF. Press and release the Program Button.
Step 2- The system will respond with three park light flashes and the HORN will HONK the same number of times as the events in memory.
****Maximum four events, four honks****
NOTE: If the HORN does not HONK, there are no events in memory.
Step 3- Press the Program Button once to view the last shut down code. The HORN will HONK once to confirm code one.
****If the HORN does not HONK, there are no codes in memory.****
Step 4- The LEDs on the antenna will flash a code corresponding to a shut down trigger. Press the Program Button again for the second code.
The HORN will HONK twice to confirm code two three time for code three...
Step 5- To **Clear Diagnostic Memory.** While in Diagnostic Mode press and hold the Program Button for five seconds. The park lights will flash and the Horn will HONK once.

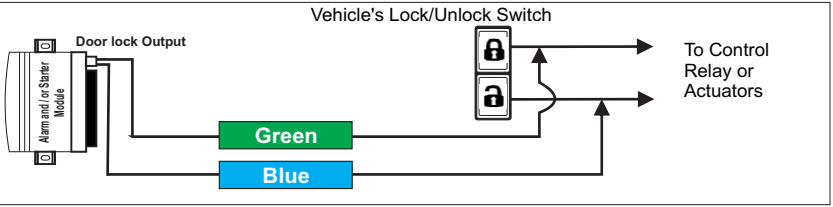
****Once diagnostic memory has 4 shutdown events in memory, the system will not record any further shutdown events until the system memory has been cleared.****

LED Flashes	Diagnostic
5 Flashes	The system was shutdown by the brake switch input
6 Flashes	The system was shutdown by the hood pin input
7 Flashes	The system did not detect the Tach signal.
8 Flashes	The system made 3 start attempts without starting

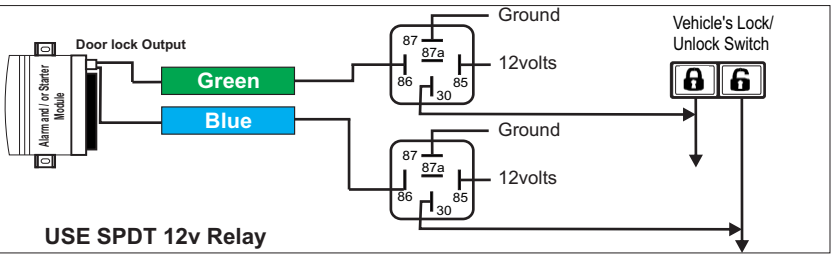
RELAY DIAGRAMS

DOOR LOCK DIAGRAMS

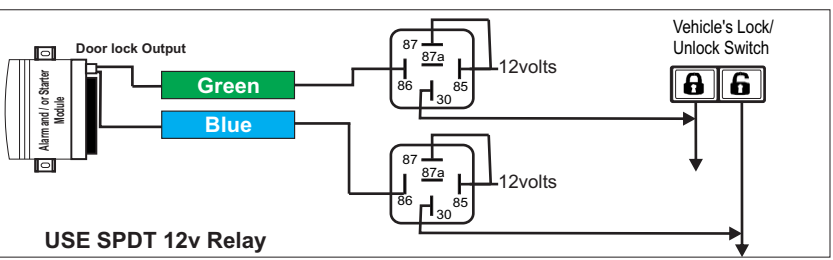
NEGATIVE DOOR LOCK (LOW CURRENT)



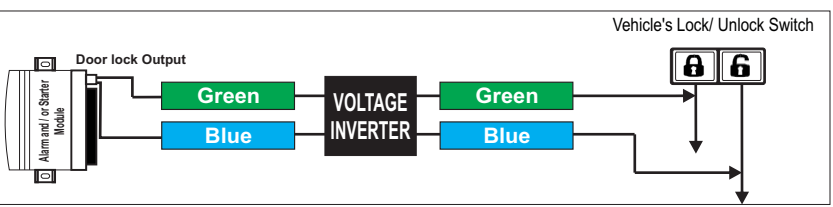
NEGATIVE DOOR LOCK (LOW CURRENT)



POSITIVE DOOR LOCK (LOW CURRENT)



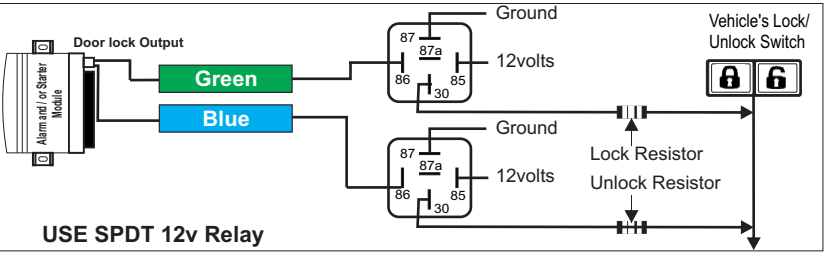
POSITIVE TYPE USING INVERTER



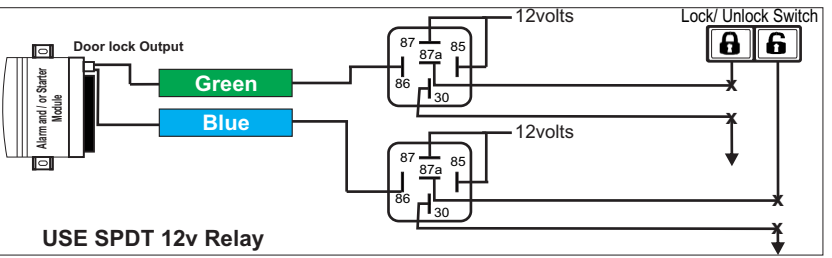
RELAY DIAGRAMS

DOOR LOCK DIAGRAMS

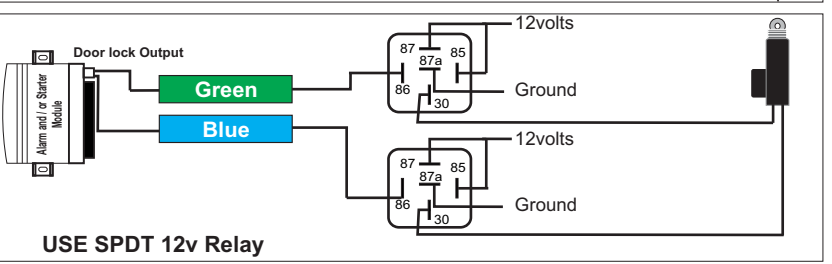
NEGATIVE ONE WIRE DOOR LOCKS



REVERSE POLARITY DOOR LOCK SYSTEM



AFTER-MARKET DOOR LOCK ACTUATORS



TARANTULA

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