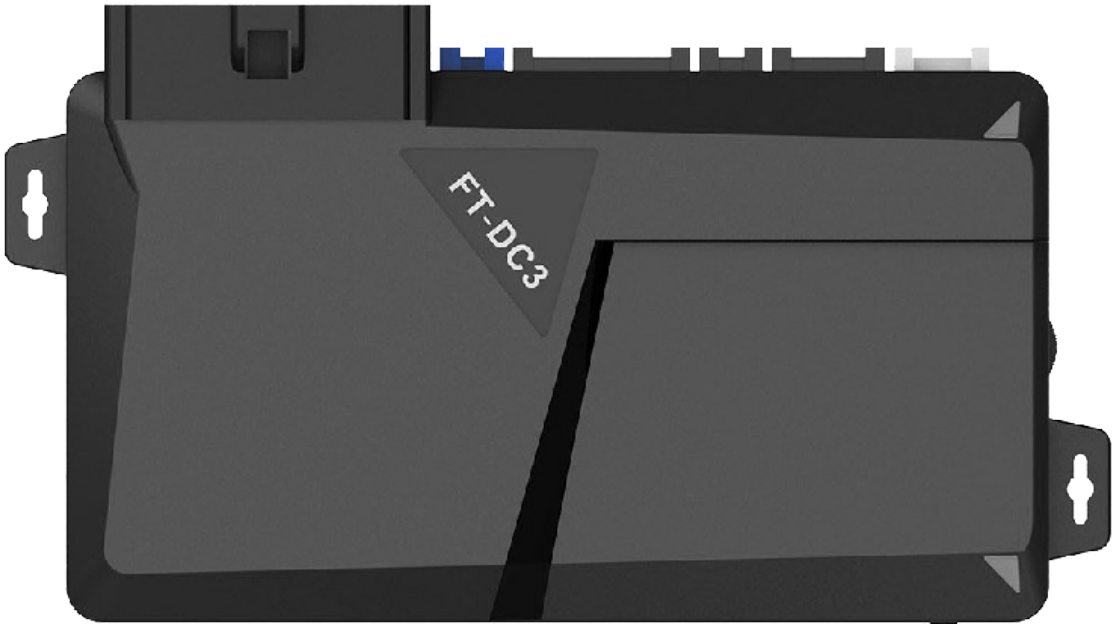
FT-DC3



Feature Tables

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Please visit www.myfirstech.com for additional installation resources

REV 20230426

Option Menu

Configured on the web or with Weblink Mobile RS

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MENU 1 - Remote Starter									
#	Feature	option 1	option 2	option 3	option 4	option 5	option 6	option 7	option 8
1-1	Engine/Wait to start	**Gas**	Diesel (Glow plug)	3 sec	5 sec	10 sec	15 sec	25 sec	45 sec
1-2	Engine sensing	**Tach**	N/A	assume start (2)	assume start (2.5)	assume start (3)	assume start (4)	assume start (5)	
1-3	Run time	3 min	5 min	10 min	**15 min**	25 min	30 min	35	
1-4	Programmable Relay 1 (4th relay)	**Ignition**	Accessories	Starter	Trunk	Parking Lights			
1-5	Programmable Relay 2 (5th relay)	Ignition	Accessories	Starter	Trunk	**Parking Lights**			
1-8	Weather mode	**Disable**	every 2 hour	every 3 hour	every 4 hour	with temp sensor			
1-8B	Weather mode runtime	**Same as RS runtime**	3 min	5 min	10 min				
1-9	Temp sensor for cold weather start	**Disable**	-20C/-4F	-15C/5F	-10C/14F	-5C/23F			
1-10	Temp sensor for hot weather start	**Disable**	25C/77F	30C/86F	35C/85F	40C/104F			
1-11	Idle mode	Disable	**Enable**						
1-12	Turbo timer	**Disable**	30 sec	1 min	2 min	4 min			
1-13	Take over behavior	**Enable**	Shutdown with Door	Shutdown with Unlock					
1-14	Secure take over delay	**45 sec**	90 sec	3 min	4 min				

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Option Menu

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MENU 1 - Remote Starter Continued									
#	Feature	option 1	option 2	option 3	option 4	option 5	option 6	option 7	option 8
1-15	Factory keyless RS sequence	Disable	Hold lock 3 sec (not always available)	Lock, Unlock, Lock	**Lock, Lock, Lock**				
1-16	External RS input trigger (X-trig input)	**Disable**	"single pulse (-)"	"double pulse (-)(-)"	"triple pulse (-)(-)(-)"	"Analog Factory Keyless X-Trigger = lock input Door(+) = unlock input"			
1-17	Valet mode	"Remote or 5 x ignition ON or 2 x ign. ON + 3 brake"	Remote or Antenna button only	"Remote or Antenna or 5 x ignition ON or 2 x ign. ON + 3 brake"	"Remote or 5 x ignition ON"	**"Antenna or Remote or 2 x ign. ON + 3 brake"**	"5 x ignition ON or 2 x ign. ON + 3 brake"	Antenna button only	"Antenna or 5 x ignition ON or 2 x ign. ON + 3 brake"
1-18	Heated ACC control	AUX trigger only	Always on	-10C/14F	-5C/24F	0C/32F	4C/40F	8C/46F	**12C/54F**
1-19	Cooled seats control	AUX trigger only	Always on	**20C/68F**	24C/76F	28C/82F	32C/90F	36C/96F	
1-20	RS Parking lights confirmation	Disable	**constant**	Flashing					
1-21	Crank time adjustment (tach)	**Disable**	+0.2 Second to crank	+0.6 Second to crank	-0.2 Second to crank				
1-22	Remote Starter	Disable	**Enable**						
1-23	Defrost Trigger	Aux trigger only	**Always on**	0C / 32F	-10/14F				
1-24	Defrost control	**1 sec**	5 min	10 min	15 min				
1-25	Shutdown on Trunk	**Disable**	Enable						

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MENU 2 - Doorlocks									
#	Feature	Option 1	option 2	option 3	option 4	option 5	option 6	option 7	option 8
2-1	Doorlock analog output Duration	0.4 sec	**0.8 sec**	2 sec	4 sec				
2-2	Trunk analog output Duration	0.4 sec	**0.8 sec**	2 sec	4 sec				
2-3	Priority Unlock	**Disable**	Enable						
2-4	Double pulse Lock	**Disable**	Enable						
2-5	Double pulse unlock	**Disable**	Enable						
2-6	Auto re-lock	**Disable**	Enable						
2-6B	FT-RFID Function	**Unlock once armed**	FTX/Always Unlock	OFF	FTX/Passive arming				
2-7	Unlock before start	**Disable**	Enable						
2-8	Re-Lock after start	**Disable**	Enable	Smart re-lock					
2-9	Re-Lock after RS shutdown	**Disable**	Enable	Smart re-lock					
2-11	Lock after turbo mode	**Disable**	Enable						
2-12	Ignition controlled doorlock	**Disable**	Enable	Enable 2000 RPM					
2-13	Ignition controlled doorlock setting	**Lock + unlock**	Lock only	Unlock only					
2-14	Trunk sequence	**Disarm, unlock and trunk**	disarm and trunk	trunk only	Disarm, unlock all and trunk				

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Option Menu

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MENU 2 - Doorlocks Continued									
#	Feature	option 1	option 2	option 3	option 4	option 5	option 6	option 7	option 8
2-15	Analog Rearm Trigger	after start, shutdown and first lock	**after shut down and first lock**	after start only	after shut-down only				
2-16	Analog Disarm Sequence	**Disarm only**	Disarm with Ign cycle						
2-17	DL Parking lights confir-mation	Disable	**Enable**	Enable with Ignition Only	Enable with-out ignition				
2-18	Headlight output (POC)	**Lock and Unlock**	Lock only	Unlock only					
2-19	Secure Trunk	**Disable**	Enable	Enable while locked/ armed					

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Option Menu

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MENU 3 - Security									
#	Feature	option 1	option 2	option 3	option 4	option 5	option 6	option 7	option 8
3-1	Alarm	**Disable**	Enable						
3-2	Alarm duration	30 sec	**60 sec**	120 sec					
3-3	Alarm Triggered behavior	**No Delay**	Delay with parking lights	Delay with parking lights and chirps					
3-4	Passive alarm/ locks	**Active only**	Alarm & Locks	Alarm only	Locks only				
3-5	Passive alarm/ auto-relock notification	**Disable**	Alarm & Locks	Alarm only	Locks only				
3-6	Passive alarm/ auto-relock timing	**30 sec**	60 sec	5 min	10 min				
3-7	Passive open zone bypass (Force rearm)	**Disable**	Enable						
3-8	Open zone notification	Disable	**Enable**	15 sec delay	20 sec delay	25 sec delay	30 sec delay	35 sec delay	
3-9	Confirmation chirp (Horn Output)	Disable	Lock only	**Double lock only**	Lock and unlock	unlock only	Lock, Unlock, Start	Double Lock, Start	
3-10	Confirmation chirp (Siren Output)	Disable	Lock only	Double lock only	**Lock and unlock**	unlock only	Lock, Unlock, Start	Double Lock, Start	
3-11	Siren notification from OEM keyless	Disable	**Enable**						
3-12	Horn chirp pulse duration	20 ms	**30 ms**	40 ms	45 ms	50 ms	60 ms	100 ms	
3-13	Shock Sensor input behavior	Disable	**Enable**	Warn away only	Shock only				
3-14	Analog sensor (-) input behavior	**Disable**	Warn away only (-)	Shock(-)	Normaly Closed Alarm(+)	Zone 2 passive 15(-)	Zone 2 passive 30(-)		

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Option Menu

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MENU 3 - Security Continued									
#	Feature	option 1	option 2	option 3	option 4	option 5	option 6	option 7	option 8
3-15	Alarm control from OEM keyless	Disable	**Enable with notification on aftermarket remotes**	Enable without notification on aftermarket remotes					
3-16	LED flashing	Disable	**Follow alarm status**	External follow alarm status	Antenna follow alarm status				
3-17	alarm/panic with Parking lights	Disable	**Enable**						
3-18	Car finder duration	**5 sec**	10 sec	15 sec	60 sec				
3-19	Starter kill/ anti-grind	**Anti-grind + active SK**	Anti-grind only	Anti-grind+ passive SK 30 seconds	Anti-grind+ passive SK 60 seconds				
3-20	Alarm event on remote	Disable	**Enable**						
3-21	Alarm first disarm behavior	**Disarm, Unlock, Silence**	Silence only						
3-23	Real Panic Sound (Random pulse length)	Disable	**Enable**						
3-24	Siren Chirp pulse duration	20 ms	**30 ms**	40 ms	45 ms	50 ms	60 ms	100 ms	

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Option Menu

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MENU 4 - AUX function assignment									
#	Feature	option 1	option 2	option 3	option 4	option 5	option 6	option 7	option 8
4-1	Transmitter AUX 1	Left slide door	**Right slide door**	PTO 1	PTO 2	PTO 3	PTO 4	Car Finder	Gas cap
4-2	Transmitter AUX 2	**Left slide door**	Right slide door	PTO 1	PTO 2	PTO 3	PTO 4	Car Finder	Gas cap
4-3	Transmitter AUX 3	Left slide door	Right slide door	**PTO 1**	PTO 2	PTO 3	PTO 4	Car Finder	Gas cap
4-4	Transmitter AUX 4	Left slide door	Right slide door	PTO 1	**PTO 2**	PTO 3	PTO 4	Car Finder	Gas cap
4-5	Transmitter AUX 5	Left slide door	Right slide door	PTO 1	PTO 2	PTO 3	PTO 4	**Car Finder**	Gas cap
4-6	Secure Auxil-liaries	**Disable**	Enable	Enable while armed					

MENU 4 - AUX function assignment continued									
#	Feature	option 9	option 10	option11	option 12	option13			
4-1	Transmitter AUX 1	Rear glass	Heated Seats	Cooled Seats	Panic	Defrost			
4-2	Transmitter AUX 2	Rear glass	Heated Seats	Cooled Seats	Panic	Defrost			
4-6	Secure Aux-iliaries (for AUX 1 & 2)	**Disable**	Enable	Enable while armed					

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Option Menu

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MENU 5 - Programmable outputs (POC)									
#	Feature	option 1	option 2	option 3	option 4	option 5	option 6	option 7	option 8
5-1	POC 1	**Unlock Others**	Defrost	Horn	IGN	ACC	Start	Parking Lights	Pulse Timer Output 1
5-2	POC 2	Unlock Others	Defrost	Horn	IGN	ACC	Start	Parking Lights	Pulse Timer Output 2
5-3	POC 3	Unlock Others	Defrost	**Horn**	IGN	ACC	Start	Parking Lights	Pulse Timer Output 3
5-4	POC 4	**Starter kill**	Defrost	Horn	IGN	ACC	Start	Parking Lights	Pulse Timer Output 4

MENU 5 - Programmable outputs (POC) continued									
#	Feature	option 9	option 10	option11	option 12	option 13	option 14	option 15	option 16
5-1	POC 1	PTO1	PTO2	PTO3	PTO4	Future use	Arm	Disarm	Lock
5-2	POC 2	PTO1	PTO2	PTO3	PTO4	Future use	Arm	Disarm	Lock
5-3	POC 3	PTO1	PTO2	PTO3	PTO4	Future use	Arm	Disarm	Lock
5-4	POC 4	PTO1	PTO2	PTO3	PTO4	Future use	Arm	Disarm	Lock

MENU 5 - Programmable outputs (POC) continued									
#	Feature	option 17	option 18	option 19	option 20	option 21	option 22	option 23	option 24
5-1	POC 1	Unlock	Trunk	GWR	Left sliding door	Right sliding door	**Rap Shut-down**	Siren	GND when Engine ON
5-2	POC 2	Unlock	Trunk	GWR	Left sliding door	Right sliding door	Rap Shut-down	Siren	GND when Engine ON
5-3	POC 3	Unlock	Trunk	GWR	Left sliding door	Right sliding door	Rap Shut-down	Siren	GND when Engine ON
5-4	POC 4	Unlock	Trunk	GWR	Left sliding door	Right sliding door	Rap Shut-down	Siren	GND when Engine ON

MENU 5 - Programmable outputs (POC) continued									
#	Feature	option 25	option 26	option 27	option 28	option 31	option 32	option 33	
5-1	POC 1	Ground when disarm	Domelight	GND Headlight output	RS/Alarm LED	Ground w/ vehicle ign	Secure Start N/C	Secure Start N/O	
5-2	POC 2	Ground when disarm	Domelight	GND Headlight output	RS/Alarm LED	Ground w/ vehicle ign	Secure Start N/C	Secure Start N/O	
5-3	POC 3	Ground when disarm	Domelight	GND Headlight output	RS/Alarm LED	Ground w/ vehicle ign	Secure Start N/C	Secure Start N/O	
5-4	POC 4	Ground when disarm	Domelight	GND Headlight output	RS/Alarm LED	Ground w/ vehicle ign	Secure Start N/C	Secure Start N/O	

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Option Menu

Configured on the web or with Weblink Mobile RS

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MENU 6 - Pulse timer output configurations (PTO)											
#	Feature	option 1	option 2	option 3	option 4	option 5	option 6	option 7	option 8	option 9	option 10
6-1	PTO 1 duration	**1 second pulse**	latched 10 sec	latched 15 sec	latched 20 sec	latched 30 sec	latched 5 min	latched 10 min	Run time latch		
6-2	PTO 2 duration	**1 second pulse**	latched 10 sec	latched 15 sec	latched 20 sec	latched 30 sec	latched 5 min	latched 10 min	Run time latch		
6-3	PTO 3 duration	**1 second pulse**	latched 10 sec	latched 15 sec	latched 20 sec	latched 30 sec	latched 5 min	latched 10 min	Run time latch		
6-4	PTO 4 duration	**1 second pulse**	latched 10 sec	latched 15 sec	latched 20 sec	latched 30 sec	latched5 min	latched 10 min	Run time latch		
6-5	Secure Start N/C duration	1 minute	**2 minutes**	3 minutes	4 minutes	5 minutes	6 minutes	7 minutes	8 minutes	9 minutes	10 minutes
6-6	Secure Start N/O duration	1 minute	2 minutes	3 minutes	**4 minutes**	5 minutes	6 minutes	7 minutes	8 minutes	9 minutes	10 minutes

MENU 7 - Input source configurations					
#	Feature	option 1	option 2	option 3	option 4
7-1	Brake	Analog	Data	**AUTO**	
7-2	Door	Analog	Data	**AUTO**	
7-3	Tach	Analog	Data	**AUTO**	
7-4	Hood	Analog	Data	**AUTO**	Analog Inv.
7-5	Trunk	Analog	Data	**AUTO**	
7-6	Glow plug	Analog	Data	**AUTO**	
7-7	E-brake	Analog	Data	**AUTO**	
7-8	Thermistor/temp sensor	Analog	Data	**AUTO**	
7-9	VSS	Disable	**Data (Auto)**		
7-10	T-Harness firmware support	Disable	Enable	**AUTO**	
7-11	Digital shock sensor	Disable	**Internal**	iDataSiren	
7-12	Digital tilt sensor	Disable	**Internal**	iDataSiren	
7-20	Temperature sensor adjustment	Select value on weblink/Diagnostic tool : (-15 to 15 deg C), Default 0 Deg.C			
7-21	Digital shock sensor trigger adjustment	N/A			
7-22	Digital shock sensor warn away adjustment	N/A			
7-23	Digital tilt adjustment	N/A			
7-24	FT-KP2 sensitivity	**Lowest**	Low	Normal	High

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Option Programming Tables

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MENU 8 - Output source configurations									
#	Feature	option 1	option 2	option 3	option 4	option 5	option 6	option 7	option 8
8-1	Arm	Analog	**Analog/Data**						
8-2	Disarm	Analog	**Analog/Data**						
8-3	Lock	Analog	**Analog/Data**						
8-4	Unlock all	Analog	**Analog/Data**						
8-5	Unlock driver door	Analog	**Analog/Data**						
8-6	Trunk	Analog	**Analog/Data**						
8-7	Left sliding door	Analog	**Analog/Data**						
8-8	Right sliding door	Analog	**Analog/Data**						
8-9	Parking lights	Analog	**Analog/Data**						
8-10	Rap shut down	Analog	**Analog/Data**						
8-11	Panic and alarm	Analog	**Analog/Data**						
8-12	Car finder	Analog	**Analog/Data**						
8-13	Defrost	Analog	**Analog/Data**						
8-14	Horn chirp (notification)	Analog	**Analog/Data**						
8-15	Sleep status on LED	**Disable**	Enable						
8-16	Siren chirp (notification)	Analog	**Analog/Data**						
8-17	Allow siren muting	**Disable**	Enable						

MENU 9 - Input configurations					
#	Feature	option 1	option 2	option 3	option 4
9-1	PIC1 negative input (M3 - TAN•SILVER DOT)	**External Alarm Sensor**	Valet Input Switch		

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Option Menu Descriptions

FO = Default Feature Option

1-01 Engine type: Every DC3 is shipped in manual transmission mode. Tach sensing is our default engine sense option.

FO1 - Gas: Suitable for all gas powered vehicles. This option relies on the input specified in 1-02.

FO2 - Diesel (with glow plug signal): This option uses the hardwired glow plug input (gray/black M3 white connector) to read the (+) glow plug status from the vehicle. This is usually connected to the signal going to the light in the dash. Once the light goes out and the signal is lost, the vehicle will crank. This option relies on the input specified in 1-02.

FO3 to F08 - Wait to start delay: Any of these settings will force the remote starter to wait (with ignition on) for the selected time before cranking the engine. Determine the maximum time required to ensure the vehicle's gloplug are ready, and set the delay accordingly. This option relies on the input specified in 1-02.

1-02 Engine tach detection: Method used to determine when we need to release start signal.

FO1 - Tach input/data: This option uses a hard wired input (purple/white on the M3 white connector) to read the vehicles RPM's in order to release the starter during the remote start process and determine that the engine is running. In some vehicle specific solutions, this signal may be obtained through the vehicle's databus (no connection required).

FO3 to F07 - Assumed start (for hybrid): The vehicle will crank for the time specified by your selection. The remote starter will then 'run' for the selected runtime. It does not require a connection to the vehicle other than the main ignition harness.

1-03 Runtime: This feature consists of four different settings for the remote start run time.

FO1 - Runtime of 3min: The remote starter will run for a period of 3 minutes.
FO2 - Runtime of 5min: The remote starter will run for a period of 5 minutes.
FO3 - Runtime of 10min: The remote starter will run for a period of 10 minutes.
FO4 - Runtime of 15min: The remote starter will run for a period of 15 minutes.
FO5 - Runtime of 25min: The remote starter will run for a period of 25 minutes.
FO6 - Runtime of 30min: The remote starter will run for a period of 30 minutes.
FO7 - Runtime of 35min: The remote starter will run for a period of 35 minutes.

1-04 Programmable high power relay #4 (M1 - Pink/White): Controls the function of this wire.

FO1 - Ignition: Follows the behavior of the primary (+) Ignition wire.
FO2 - Accessory: Follows the behavior of the primary (+) Accessory wire.
FO3 - Starter: Follows the behavior of the primary (+) Starter wire.
FO4 - Trunk: Provides a high-current (+) output for trunk release.
FO5 - Parking Lights: Provides a high-current (+) output for parking lights.

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Option Menu Descriptions

FO = Default Feature Option

1-05 Programmable high power relay #5 (M1 - White): Controls the function of this wire.

FO1 - Ignition: Follows the behavior of the primary (+) Ignition wire.
FO2 - Accessory: Follows the behavior of the primary (+) Accessory wire.
FO3 - Starter: Follows the behavior of the primary (+) Starter wire.
FO4 - Trunk: Provides a high-current (+) output for trunk release.
FO5 - Parking Lights: Provides a high-current (+) output for parking lights.

1-08 Weather mode: This feature is designed to allow the user to have the HC automatically remote start at the end of a selected timed cycle. It also be controlled by the thermistor so it will start at a specified temperature at the end of the timed cycle. Weather mode must also be activated each time between vehicle uses. *The system must not be in valet and for added security a lock command needs to be sent before activating (max 10 seconds before). Once it's activated, the vehicle will remain in weather mode for a maximum of 24 hours or until the ignition is turned on.*

FO1 - Disable: Weather mode is disabled.
FO2 - Every 2 hours: Will activate every 2 hours and run for the programmed runtime.
FO3 - Every 3 hours: Will activate every 3 hours and run for the programmed runtime.
FO4 - Every 4 hours: Will activate every 4 hours and run for the programmed runtime.
FO5 - With temp sensor: Will activate based on the selected temp settings in menu 1-09, 1-10 and run for the programmed runtime.

1-08B Weather mode runtime: This setting control the weather mode runtime

FO1 - Same as remote start runtime
FO2 - 3 minutes
FO3 - 5 minutes
FO4 - 10 minutes

1-09 Temperature option for cold weather start: Use this option to set the temperature to automatically start the vehicle in cold weather. This option uses the internal temperature sensor, or an external sensor if one is connected. *Requires that menu option 1-08 be set for 'Enable with temp sensor'. Weather mode is cancelled automatically after 24 hours or if the vehicle is started by key or RS.*

FO1 - Disable
FO2 - Below -20C / -4F
FO3 - Below -15C / 5F
FO4 - Below -10C / 14F
FO5 - Below -5C / 23F

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Option Menu Descriptions

FO = Default Feature Option

1-10 Temperature option for hot weather start: Use this option to set the temperature to automatically start the vehicle in hot weather. This option uses the internal temperature sensor, or an external sensor if one is connected. *Requires that menu option 1-08 be set for 'Enable with temp sensor'. Weather mode is cancelled automatically after 24 hours or if the vehicle is started by key or RS.*

FO1 - Disable
FO2 - Above 26C / 77F
FO3 - Above 30C / 86F
FO4 - Above 35C / 95F
FO5 - Above 40C / 104F

1-11 Idle mode (also know as pit stop mode): Allows the remote starter to be activated while the vehicle is running under key. When activated, the user can exit the vehicle with the key or fob and the vehicle will continue to run for the programmed runtime. NOTE: This option is not available on all vehicles.

FO1 - Disable
FO2 - Enable

1-12 Turbo Timer: (This feature requires door and e-brake input) This feature allows the user to activate Turbo Timer Mode with their Firstech remote or accessory. This will keep the engine running after removing the key for the specified time selected below. (Please check specific remote or accessory user's manual for steps to activate Turbo Timer Mode).

FO1 - Disable: Weather mode is disabled.
FO2 - Enable for 30sec: Vehicle with continue to run for 30 seconds.
FO3 - Enable for 1min: Vehicle with continue to run for 1 minute.
FO4 - Enable for 2min: Vehicle with continue to run for 2 minutes.
FO5 - Enable for 4min: Vehicle with continue to run for 4 minutes.

1-13 Takeover: Controls what happens when the user enters the vehicle which is running under remote start. *NOTE Not all options are available for all vehicles.*

FO1 - Enable: Vehicle will stay running as the user takes control of the vehicle during remote start.
FO2 - Disable and shut down on door open: Vehicle will shutdown as soon as a door is opened. Vehicle must be restarted manually.
FO3 - Disable and shutdown on unlock: Vehicle will shutdown as soon as an unlock command is received. Vehicle must be restarted manually.

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Option Menu Descriptions

FO = Default Feature Option

1-14 Secure take over delay: This feature only applies to specific PTS vehicle solutions. Consult the vehicle specific info on our website. This menu controls the amount of time the user has to complete takeover once they have entered a remote started vehicle. If the user has not completed all the steps for takeover in the given time, the process will be cancelled and the vehicle will shut down when the brake is pressed.

FO1 - Timeout of 45 seconds
FO2 - Timeout of 1.5 minutes
FO3 - Timeout of 3 minutes
FO4 - Timeout of 4 minutes

1-15 Factory keyless remote start activation: Allows the remote starter to be engaged using the vehicles OEM remote or keyfob. NOTE: This feature is not available on all vehicles. Consult the website.

FO1 - Disable
FO2 - Hold Lock 3 sec: Activates remote start 3sec hold on Lock from OEM remote. (Not available with all firmware).
FO3 - Lock, Unlock, Lock: Activates remote start when lock/unlock/lock is sent from OEM remote.
FO4 - Lock, Lock, Lock: Activates remote start when lock/lock/lock is sent from OEM remote.

1-16 External RS trigger input: Allows the remote starter to be triggered using an external negative signal connected to M3-06 WHITE/BLUE. Choose from these different options to control how this input works;

FO1 - Disable: Input is disabled
FO2 - Single pulse: A single pulse to the wire will activate remote start.
FO3 - Double pulse: A double pulse to the wire will activate remote start.
FO4 - Triple pulse: A triple pulse to the wire will activate remote start.
FO5 - Analog factory keyless (lock input): This option is only required if you are setting menu option 1-15 for option F02 (lock/unlock/lock). M3-06 will act as a (-) lock input. Use M3-03 PURPLE/silver dot as a (+) unlock input.

1-17 Valet: In Valet mode, the remote starter and alarm(if activated) are disabled. Only keyless entry is functional. This option is used when an emergency disarm is required (lost remote) or the vehicle is brought in for service. *NOTE: For a comprehensive explanation of each option, see the VALET section of this guide.*

FO1 - Remote / 5x Ignition / 2x Ignition + 3x Brake
FO2 - Remote / Antenna
FO3 - Remote / Antenna / 5x Ignition / 2x Ignition + 3x Brake
FO4 - Remote / 5x Ignition
FO5 - Remote / Antenna / 2x Ignition + 3x Brake
FO6 - 5x Ignition / 2x Ignition + 3x Brake
FO7 - Antenna button only
FO8 - Remote / Antenna / 5x Ignition / 2x Ignition+3x Brake

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Option Menu Descriptions

FO = Default Feature Option

1-18 Heated accessory control: This feature controls the activation of heated accessories. This option is NOT associated with an analog output, and is available only when a vehicle specific firmware supports it. For an analog output to control defrost or heated seats, use menu options 1-23 and 1-24 in conjunction with an POC output set for 'Defrost'.

FO1 - Aux trigger only: Will only activate when an auxiliary programmed to 'heated seats' is activated.
FO2 - Always on: Activates on each remote start.
FO3 - Activate at -10C/14F: Activates at the preset temperature.
FO4 - Activate at -5C/24F: Activates at the preset temperature.
FO5 - Activate at 0C/32F: Activates at the preset temperature.
FO6 - Activate at 4C/40F: Activates at the preset temperature.
FO7 - Activate at 8C/46F: Activates at the preset temperature.
FO8 - Activate at 12C/54F: Activates at the preset temperature.

1-19 Cooled seats control: This feature controls the activation of cooled seats feature. This option is NOT associated with an analog output, and is available only when a vehicle specific firmware supports it. For an analog output to control this type of feature, use menu options 1-23 and 1-24 in conjunction with an POC output set for 'Defrost'.

FO1 - Aux trigger only: Will only activate for an aux. programmed to 'cooled seats' is activated.
FO2 - Always on: Activates on each remote start.
FO3 - Activate at 20C/68F: Activates at the preset temperature.
FO4 - Activate at 24C/76F: Activates at the preset temperature.
FO5 - Activate at 28C/82F: Activates at the preset temperature.
FO6 - Activate at 32C/90F: Activates at the preset temperature.
FO7 - Activate at 36C/96F: Activates at the preset temperature.

1-20 Parking light confirmation: Controls the behavior of the parking lights feature during remote start.

FO1 - Disable: All parking light outputs are disabled during remote start.
FO2 - Constant ON: Parklights will output steady the entire duration of runtime.
FO3 - Flashing: Parklights will flash once every 5 seconds for the duration of the runtime.

1-21 Crank time adjustment: Allows fine adjustments to the default crank time for remote start. *NOTE: Only use this feature to correct start issues related to crank time.*

FO1 - Disable: The remote starter will crank for the default crank time.
FO2 - Add 200ms to crank: The remote starter will crank for 200ms longer than the default.
FO3 - Add 600ms to crank: The remote starter will crank for 200ms longer than the default.
FO4 - Subtract 200ms from crank: The remote starter will crank for 200ms less than the default.
FO4 - Activate at -10C/14F: Activates at the preset temperature. A POC must be programmed associated with an analog output (menu 5)

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Option Menu Descriptions

FO = Default Feature Option

1-22 Remote Starter: This feature turns the remote starter function on/off.
FO1 - Disable
FO2 - Enable

1-23 Defrost trigger: This option controls the activation of the defrost feature. A POC must be programmed associated with an analog output (menu 5). The duration of the output is controlled in menu 1-24.
FO1 - Aux trigger only: Activates only when an aux is activated. Requires you to configure an aux for one of the POC's in menu 4.
FO2 - Always on: Activates automatically on remote start. A POC must be programmed associated with an analog output (menu 5)
FO3 - Activate at 0C/32F: Activates at the preset temperature. A POC must be programmed associated with an analog output (menu 5)

1-24 Defrost control: Controls the duration of the defrost output when engaged. A POC must be programmed associated with an analog output (menu 5)
FO1 - 1 second: Output will pulse for 1 second upon activation based on setting in menu 1-23.
FO2 - 5 minutes: Output will latch for 5 min. upon activation based on setting in menu 1-23.
FO3 - 10 minutes: Output will latch for 10 min. upon activation based on setting in menu 1-23.
FO4 - 15 minutes: Output will latch for 15 min. upon activation based on setting in menu 1-23.

1-25 Shutdown on trunk: Controls if the remote starter shuts down when the trunk is opened during runtime.
FO1 - Disable
FO2 - Enable

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Option Menu Descriptions

FO = Default Feature Option

2-1 Lock & Unlock analog pulse length: This does not affect the behavior of the factory arm output (green/white/silver dot) or factory alarm disarm output (green/black/silver dot) wires.

FO1 - 0.4 seconds: (-) Negative lock and unlock output time. This option may be helpful when using lock/unlock to arm/disarm vehicles that may roll windows down with factory Arm/Disarm wires when the standard output is too long.
FO2 - 0.8 seconds: (-) Negative lock and unlock output time.
FO3 - 2 seconds: (-) Negative lock and unlock output time.
FO4 - 4 seconds: (-) Negative lock and unlock output time.

2-2 Trunk analog pulse length: Controls the length of the analog trunk release output.

FO1 - 0.4 seconds: Trunk release output time.
FO2 - 0.8 seconds: Trunk release output time.
FO3 - 2 seconds: Trunk release output time.
FO4 - 4 seconds: Trunk release output time.

2-3 Priority unlock: When enabled, provides a dual stage unlock for driver's door priority. For analog doorlocks you must program a POC for 'Unlock others' in menu 5. For vehicle specific firmware solutions, this option may not be available.

FO1 - Disable
FO2 - Enable

2-4 Double pulse lock: This option will provide a double pulse when the lock command is executed by the CM. The length of output time will be determined by menu option 2-1

FO1 - Disable
FO2 - Enable

2-5 Double pulse unlock: This option will provide a double pulse when the unlock command is executed by the CM. The length of output time will be determined by menu option 2-1

FO1 - Disable
FO2 - Enable

2-6 Auto relock: This option will relock the doors 30 seconds after they have been unlocked by the CM, if no doors have been opened. The length of output time will be determined by menu option 2-1

FO1 - Disable
FO2 - Enable

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Option Menu Descriptions

FO = Default Feature Option

2-6B FT-RFID function: This feature covers the RFID unlock options. (Please refer to the FT-RFID section of this manual for specific operation instructions and antenna mounting locations)

FO1 - Unlock Once Armed: (The DC3 must be in an armed state for this option to function). This option will enable the FT-RFID proximity unlock/disarm feature after activating with a Firstech RFID enhanced remote. (Refer to the FT-RFID section of this manual for specific operating instructions). The DC3 will be ready to send the disarm/unlock command 12-15 seconds after the system has been armed using a Firstech remote or accessory (RPS, Drone, OEM remote input). Approximately 12 seconds after armed, the system will look for the RFID enhanced remote and disarm/unlock once the remote enters the proximity field.

FO2 - FTX / Always Unlock: This option will enable the FT-RFID proximity unlock feature after activating with a Firstech RFID enhanced remote. The DC3 will always send the unlock/disarm output when the remote enters/re-enters the proximity field regardless of the current state of the DC3. (i.e. armed/locked-disarmed/unlocked). Once the remote leaves the proximity field, it will be set to send the unlock/disarm output as soon as it enters/re-enters. *Note: Because the ANT-2WSF antenna is always searching for the remote, it will produce more current draw than the standard RFID unlock option 3.*

FO3 - OFF

FO4 - FTX / Passive Arming: This option will allow the DC3 to LOCK/ARM the system 15 seconds after an RFID capable remote has left proximity of the antenna. ***IF THE REMOTE IS WITHIN RANGE OF THE ANTENNA FOR 5 MINUTES OR MORE, THE DC3 WILL STOP THE ARMING SEQUENCE. ANY ACTION FROM A FIRSTECH REMOTE, DRONE, KP SENSOR, IGNITION ON, OR ZONE OPEN WILL AUTOMATICALLY RE-START THE PASSIVE ARMING SEQUENCE.*** NOTE: This function can be toggled on/off by enabling/disabling the "Passive arming" function using a Firstech remote or Drone.

2-7 Unlock before remote start: Sends an unlock command when the remote start sequence is triggered.

FO1 - Disable

FO2 - Enable

2-8 Re-lock after start: Sends a lock command as soon as the CM has confirmed remote start success.

FO1 - Disable

FO2 - Enable

FO3 - Enable with smart re-lock: Doors will only re-lock if they were locked by the CM before remote start.

2-9 Re-lock after remote start shutdown: Sends a lock command after the remote start shuts down.

FO1 - Disable

FO2 - Enable

FO3 - Enable with smart re-lock: Doors will only re-lock if they were NOT unlocked by the CM during remote start.

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Option Menu Descriptions

FO = Default Feature Option

2-11 Lock after turbo timer shutdown: If Turbo mode is engaged in menu 1-12, the CM will send a lock command after the vehicle shuts down.

FO1 - Disable
FO2 - Enable

2-12 Ignition controlled doorlock: This option will provide a door lock output when the vehicle's ignition is turned on by the user, or once the vehicle's RPM reaches a pre-determined value while driving. This setting also depends on menu option 2-13 NOTE: When FO2/FO3 are selected, the user can activate the "drive lock" or ignition controlled door locking feature using a Firstech remote or Drone. (Please check specific remote user's manual for steps to activate Drive lock.)

FO1 - Disable
FO2 - Enable
FO3 - Enable at 2000 RPM (only is tach input is selected in menu 1-2)

2-13 Ignition controlled doorlock setting: Determines if the ignition on/off controls lock, unlock, or both. For lock, the CM will provide a door lock output when the vehicle's ignition is turned on. For unlock, CM will provide a door unlock output as soon as the key is turned off or 12v ignition is removed.

FO1 - Lock & Unlock
FO2 - Lock only
FO3 - Unlock only

2-14 Trunk activation sequence: Controls what occurs when a trunk release command is sent to the CM.

FO1 - Disarm, then unlock, then trunk release
FO2 - Disarm, then trunk release
FO3 - Trunk release only
FO4 - Disarm, then unlock all, then trunk release

2-15 Analog rearm trigger output: Sets the behavior for the analog arm wire (M2-04 GREEN/WHITE/BLACK DOT).

FO1 - After start & after shutdown & on first lock press
FO2 - After shutdown & on first lock press
FO3 - After start only
FO4 - After shutdown only

2-16 Analog disarm sequence: Controls how disarm occurs when the CM receives an unlock command or remote start command.

FO1 - Disarm only: The CM will send an pulse output to the analog disarm (M2-05 GREEN/BLACK/BLACK DOT).

FO2 - Disarm with ignition cycle: The CM will send an pulse output to the analog disarm (M2-05 GREEN/BLACK/BLACK DOT) AND pulse the ignition (+) output wire simultaneously.

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Option Menu Descriptions

FO = Default Feature Option

2-17 Doorlock parking lights confirmation: Controls the behavior of the parking light output as doolock commands are executed. These settings are generally reserved for vehicle specific applications and will be set by the firmware. For general purposes, the default is always 'enable'

FO1 - Disable
FO2 - Enable
FO3 - Enable with ignition ON only
FO4 - Enable with ignition OFF only

2-18 Headlight output: This feature can serve to turn on the headlights for courtesy illumination when the keyless entry is used. This option works in conjunction with a POC programmed as 'GND headlight output' in menu 5

FO1 - Lock and unlock
FO2 - Lock only
FO3 - Unlock only

2-19 Secure Trunk: This feature is designed to prevent accidental activation of the Trunk output by requiring an additional step when using an aftermarket remote.

FO1 - Disable
FO2 - Enable: Unlock must be pressed before activating trunk release.
FO3 - Enable while locked/armed: Unlock must be pressed before activating trunk release if the system is in a locked/armed state.

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Option Menu Descriptions

FO = Default Feature Option

3-1 Alarm: Activates or deactivates the ALARM features of the DC3.

FO1 - Disable
FO2 - Enable

3-2 Alarm duration: Sets the length of time the alarm will sound if triggered.

FO1 - 30 seconds
FO2 - 60 seconds
FO3 - 120 seconds

3-3 Alarm triggered behavior: Controls the delay between an alarm infraction and the system triggering the lights/horn/siren.

FO1 - Alarm will sound right after the trigger: The alarm system will activate lights and siren/horn instantly when a trigger is detected.
FO2 - Delay with parking lights, then alarm: When the alarm is triggered, the CM will flash the parking lights for 5 seconds before sounding the alarm.
FO3 - Delay with parking lights and chirps, then alarm: When the alarm is triggered, the CM will chirp the siren and flash the parking lights for 5 seconds before sounding the alarm.

3-4 Passive alarm / Passive lock: This feature is used to control automatic (passive) arming or locking of the system. When ignition is turned off, and a door is opened then closed, it will activate the passive delay. If activated, the timing for this feature is controlled in menu option 3-6

FO1 - Off: Only commands from the user will arm and/or lock the system.
FO2 - Passive arming with passive locking: The alarm will arm and the doors will lock automatically based on the timing in menu option 3-6.
FO3 - Passive arming only: The alarm will arm automatically based on the timing in menu option 3-6. The doors will NOT lock.
FO4 - Passive locking only: The doors will lock automatically based on the timing in menu option 3-6. The alarm will NOT arm.

3-5 Passive alarm and/or doorlock notification: When alarm or doorlocks are set for passive arming, you can control the notifications that occur.

FO1 - Disable
FO2 - Notification of passive arming & locking: The siren/horn will chirp when the system locks the doors and arms the alarm passively.
FO3 - Notification of passive arming only: The siren/horn will chirp only when the system arms passively.
FO4 - Notification of passive locking only: The siren/horn will chirp only when the system locks the doors passively.

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Option Menu Descriptions

FO = Default Feature Option

3-6 Passive alarm and/or doorlock timing: Controls the delay before the passive arm and/or lock features are activated.

FO1 - Delay of 30 seconds: The passive features will activate after the selected time.
FO2 - Delay of 60 seconds: The passive features will activate after the selected time.
FO3 - Delay of 5 minutes: The passive features will activate after the selected time.
FO4 - Delay of 10 minutes: The passive features will activate after the selected time.

3-7 Passive open zone bypass (Force rearm): When enabled, passive arming will still occur even if a protected zone such as a door or trunk is still open. Passive arming/locking will still respect the delay selected in menu 3-6.

FO1 - Disable
FO2 - Enable

3-8 Open zone notification: If a protected zone such as a door or trunk is detected during the arming of the alarm, you can control if there is any notification. You can also delay the notifications which can be useful when you want to allow time for a zone to close.

FO1 - Disable: There will be no audible/visual notifications.
FO2 - Enable (no delay): 3 chirps/flashes immediately.
FO3 - Enable with 15 sec delay: 3 chirps/flashes 15 seconds after arming if a zone is still open.
FO4 - Enable with 20 sec delay: 3 chirps/flashes 20 seconds after arming if a zone is still open.
FO5 - Enable with 25 sec delay: 3 chirps/flashes 25 seconds after arming if a zone is still open.
FO6 - Enable with 30 sec delay: 3 chirps/flashes 30 seconds after arming if a zone is still open.
FO7 - Enable with 35 sec delay: 3 chirps/flashes 55 seconds after arming if a zone is still open.

3-9 Confirmation chirp (Horn output): Controls the output for the horn when commands are executed. This does not effect the sounding of the horn when the alarm is triggered. These options do NOT effect the siren output either.

FO1 - Disable: No command confirmations to the horn output.
FO2 - Lock only: The horn will sound with a lock command only.
FO3 - Second lock only: The horn will sound if a second lock command is received within 10 seconds of the first lock command.
FO4 - Lock and unlock: The horn will sound with a lock and unlock commands.
FO5 - Unlock only: The horn will sound with a unlock command only.
FO6 - Lock, unlock, start: The horn will sound with a lock, unlock, and start commands.
FO7 - Second lock and start: The horn will sound if a second lock command is received within 10 seconds of the first lock command, as well a start.

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Option Menu Descriptions

FO = Default Feature Option

3-10 Confirmation chirp (Siren output): Controls the output for the siren when commands are executed. This does not affect the sounding of the siren when the alarm is triggered. These options do NOT affect the horn output either.

FO1 - Disable: No command confirmations to the siren output.
FO2 - Lock only: The siren will sound with a lock command only.
FO3 - Second lock only: The siren will sound if a second lock command is received within 10 seconds of the first lock command.
FO4 - Lock and unlock: The siren will sound with a lock and unlock commands.
FO5 - Unlock only: The siren will sound with a unlock command only.
FO6 - Lock, unlock, start: The siren will sound with a lock, unlock, and start commands.
FO7 - Second lock and start: The siren will sound if a second lock command is received within 10 seconds of the first lock command, as well a start.

3-11 Siren notification from OEM keyless: Controls if the siren will chirp to confirm arming if the OEM remote is used to lock/unlock. This option requires that OEM keyless detection is supported in the vehicle specific firmware. This feature is NOT available on analog firmware.

FO1 - Disable
FO2 - Enable

3-12 Confirmation horn chirp pulse duration: Used to control the length of the pulse sent to the horn for command confirmations. This is useful if the horn chirps are either too long or too short.

FO1 - Pulse of 20ms
FO2 - Pulse of 30ms
FO3 - Pulse of 40ms
FO4 - Pulse of 45ms
FO5 - Pulse of 50ms
FO6 - Pulse of 60ms
FO7 - Pulse of 100ms

3-13 Shock sensor input behavior: Controls the shock sensor input behavior for both the DAS port (4-pin red) and sensor 2 port (4-pin green).

FO1 - Disable: Both ports are disabled
FO2 - Enabled: Both ports are enabled for warn-away and full shock.
FO3 - Warn away only: Only the warn-away triggers will be enabled.
FO4 - Full shock only: Only the full shock triggers will be enabled.

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Option Menu Descriptions

FO = Default Feature Option

3-14 Analog sensor (-) input behavior: Controls M3 pin-10 (Tan/silver dot) wire. This input can be configured for a variety of different special applications. Read the different option descriptions carefully before making your selection.

FO1 - Disable

FO2 - Warn-away only: A (-) input will trigger a warn-away notification similar to that of the shock sensor.

FO3 - Full shock only: A (-) input will trigger a full alarm similar to that of the shock sensor.

FO4 - Normally closed alarm: The input will expect to see (-) constant while the system is armed. If the (-) signal is lost, the alarm will trigger.

FO5 - Zone 2 passive 15: This input will always passively arm 15 seconds after zone 2 is closed if the vehicle is not running under key start or in valet mode. Zone 2 will disarm with the system but will ALWAYS passively arm itself regardless if the alarm is in active arming mode. A (-) input is needed to trigger Zone 2.

FO6 - Zone 2 passive 30: This input will always passively arm 30 seconds after zone 2 is closed if the vehicle is not running under key start or in valet mode. Zone 2 will disarm with the system but will ALWAYS passively arm itself regardless if the alarm is in active arming mode. A (-) input is needed to trigger Zone 2.

3-15 Alarm & Starter kill control from OEM keyless: When enabled, lock and unlock commands sent from the vehicle's OEM fob will also arm/disarm the DC3 alarm and/or starter-kill (if enabled).

FO1 - Disable

FO2 - Enable with remote notification: OEM commands will control CM alarm and arm/disarm and notifications will be sent to Firstech 2-way transmitters (if installed).

FO3 - Enable without remote notification: OEM commands will control CM alarm and arm/disarm but notifications will NOT be sent to Firstech 2-way transmitters (if installed).

3-16 Antenna/External LED: Controls the behavior of the external LED or LED built in to an RF antenna. If enabled, the LED will follow the alarm status.

FO1 - Disable

FO2 - Both follow alarm status: The external LED and RF antenna LED will follow the system's alarm status.

FO3 - External LED follows alarm status: The external LED will follow the system's alarm status.

FO4 - Antenna follows alarm status: The RF antenna's LED will follow the system's alarm status.

3-17 Alarm and panic with parking lights: Controls if the parklights flash during alarm and panic states.

FO1 - Disable: No parking lights

FO2 - Enable: Parking light during alarm and panic states

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Option Menu Descriptions

FO = Default Feature Option

3-18 Car finder duration: Activating the car finder feature will flash the parklights and sound the horn or siren for the selected time. This feature is activated from an RF transmitter (see transmitter instructions for using this feature. You may need to set an auxiliary output in menu 4).

FO1 - Duration of 5 seconds
FO2 - Duration of 10 seconds
FO3 - Duration of 15 seconds
FO4 - Duration of 60 seconds

3-19 Starter-kill / Anti-grind: Controls the behavior of M3 pin-11 BROWN/BLACK (POC4) when configured for starter-kill in menu 5-4.

FO1 - Anti-Grind + Active Starter-kill: The output will be active during Remote start and when the system has been armed/locked manually.
FO2 - Anti-Grind only: The output will be active during Remote start only.
FO3 - Anti-Grind + Passive Starter-kill 30 sec: The output will be active during Remote start and 30 seconds after ignition OFF, or if system has been armed/locked manually.
FO4 - Anti-Grind + Passive Starter-kill 60 sec: The output will be active during Remote start and 60 seconds after ignition OFF, or if system has been armed/locked manually.

3-20 Alarm trigger notifications on 2 way transmitters: Controls if alarm trigger notifications are sent to 2-way transmitter programmed to the system. Turning off trigger notifications can increase transmitter battery life.

FO1 - Disable: No alarm trigger notifications. Command notifications such as lock/unlock/start always confirm.
FO2 - Enable: Full alarm trigger notifications. Command notifications such as lock/unlock/start always confirm as well.

3-21 Alarm first disarm behavior: Controls what happens when you send unlock during an alarm trigger.

FO1 - Disarm, unlock, silence: On first unlock command, the system will stops ringing, disarm, unlock the doors.
FO2 - Silence only: On first unlock command, the system will stops ringing (silence) but remain armed with the door locked. A second unlock command will disarm and unlock.

3-23 Real panic sound: When enabled, the horn pulses sent during a panic trigger will vary in length (unlike an OEM panic feature) to better draw attention.

FO1 - Disable
FO2 - Enable

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Option Menu Descriptions

FO = Default Feature Option

3-24 Confirmation siren chirp pulse duration: Controls the pulse duration for the siren on confirmations chirps.

FO1 - Pulse of 20ms
FO2 - Pulse of 30ms
FO3 - Pulse of 40ms
FO4 - Pulse of 45ms
FO5 - Pulse of 50ms
FO6 - Pulse of 60ms
FO7 - Pulse of 100ms

Menu #4 : AUX function assignment

Auxiliary functions can be assigned to button combinations on Firstech RF transmitters, or to command buttons in the Drone Mobile app. Not all transmitters can support the same numbers of auxiliaries - see the transmitter's guide for more information.

4-1 Transmitter AUX 1: Sets the action when activating AUX 1 from an RF transmitter
4-2 Transmitter AUX 2: Sets the action when activating AUX 2 from an RF transmitter
4-6 Secure Auxiliaries: This feature is designed to prevent accidental activation of the AUX outputs by requiring an additional step.

FO1 - Disable
FO2 - Enable: Unlock must be pressed before activating any AUX commands.
FO3 - Enable while armed: Unlock must be pressed before activating any AUX commands if the system is a locked/armed state.

Auxiliaries 1 through 5 can be configured for any of the following functions:

FO1 - Left sliding door: If supported in vehicle specific firmware, you can assign this feature to any auxiliary to trigger the left sliding door. In analog, assign this feature to an auxiliary, and configure one of the POC's in menu 5 to activate the matching feature.
FO2 - Right sliding door: If supported in vehicle specific firmware, you can assign this feature to any auxiliary to trigger the Right sliding door. In analog, assign this feature to an auxiliary, and configure one of the POC's in menu 5 to activate the matching feature.
FO3 - Pulse Timer Output (PTO1): A PTO can be set to come on for as little as 1 seconds, or up to 10 minutes. It can also stay on for the entire duration of a remote start cycle. Assign this feature to an auxiliary, and configure one of the POC's in menu 5 to activate the matching feature.

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Option Menu Descriptions

FO = Default Feature Option

FO4 - Pulse Timer Output (PTO2): A PTO can be set to come on for as little as 1 seconds, or up to 10 minutes. It can also stay on for the entire duration of a remote start cycle. Assign this feature to an auxiliary, and configure one of the POC's in menu 5 to activate the matching feature.
FO5 - Pulse Timer Output (PTO3): A PTO can be set to come on for as little as 1 seconds, or up to 10 minutes. It can also stay on for the entire duration of a remote start cycle. Assign this feature to an auxiliary, and configure one of the POC's in menu 5 to activate the matching feature.
FO6 - Pulse Timer Output (PTO4): A PTO can be set to come on for as little as 1 seconds, or up to 10 minutes. It can also stay on for the entire duration of a remote start cycle. Assign this feature to an auxiliary, and configure one of the POC's in menu 5 to activate the matching feature.
FO7 - Car finder: Activates the car finder feature of the system. Car finder settings are controlled in menu 3-18.
FO8 - Gas cap: If supported in vehicle specific firmware, you can assign this feature to any auxiliary to trigger the gas cap release. In analog, assign this feature to an auxiliary, and configure one of the POC's in menu 5 to activate the matching feature.
FO9 - Rear glass release: If supported in vehicle specific firmware, you can assign this feature to any auxiliary to trigger the rear glass release. To trigger a similar feature in analog, use a PTO (3-3 to 3-6).
FO10 - Heated seats: If supported in vehicle specific firmware, you can assign this feature to any auxiliary to trigger the heated seats. To trigger a similar feature in analog, use a PTO (3-3 to 3-6).
FO11 - Cooled seats: If supported in vehicle specific firmware, you can assign this feature to any auxiliary to trigger the heated seats. To trigger a similar feature in analog, use a PTO (3-3 to 3-6).
FO12 - Panic: Activates the panic feature of the system. Panic settings are controlled in menu 3-23.
FO13 - Defrost: If supported in vehicle specific firmware, you can assign this feature to any auxiliary to trigger the defrost. In analog, assign this feature to an auxiliary, and configure one of the POC's in menu 5 to activate the matching feature.

Menu #5 : Programmable Outputs (POC)

These programmable outputs can be configured to trigger from an Auxiliary as set in menu 4, or can follow a variety of other commands and events.

5-1 POC 1 negative output (M2 - WHITE/PURPLE/BLACK DOT)
5-2 POC 2 negative output (M2 - PURPLE/BLACK/BLACK DOT)
5-1 POC 3 negative output (M2 - WHITE/BLACK/BLACK DOT)
5-1 POC 1 negative output (M2 - BROWN/BLACK/BLACK DOT)

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Option Menu Descriptions

FO = Default Feature Option

POC 1 through 4 can be configured for any of the following functions:

FO1 - Unlock other doors: Follows the unlock command - This output will trigger on a second unlock press within 10 seconds of the first. Use this to achieve 2 stage unlock when driver's door priority is desired.
FO2 - Defrost: This feature is dependent on menu settings 1-23, 1-24. This output will trigger on a successful remote start for the time selected in menu 1-24.
FO3 - Horn: Follows the horn output settings in menu settings 3-9, 3-12.
FO4 - Ignition: Follows the primary ignition wire (M1-05 PINK) output behavior.
FO5 - Accessory: Follows the primary accessory wire (M1-01 ORANGE) output behavior.
FO6 - Starter: Follows the primary starter wire (M1-03 PURPLE) output behavior.
FO7 - Parking lights: Follows the parking light output behavior. Also dependant on the settings in menu 1-20.
FO9 - Pulse timer output 1 (PTO): An auxiliary must be assigned to PTO1. The time adjustment for this out is controlled in menu 6-1.
FO10 - Pulse timer output 2 (PTO): An auxiliary must be assigned to PTO2. The time adjustment for this out is controlled in menu 6-2.
FO11 - Pulse timer output 3 (PTO): An auxiliary must be assigned to PTO3. The time adjustment for this out is controlled in menu 6-3.
FO12 - Pulse timer output 4 (PTO): An auxiliary must be assigned to PTO4. The time adjustment for this out is controlled in menu 6-4.
FO14 - Arm: Follows the primary arm wire (M2-04 GREEN/WHITE/BLACK DOT) output behavior. Also dependant on the settings in menu 1-15.
FO15 - Disarm: Follows the primary disarm wire (M2-05 GREEN/BLACK/BLACK DOT) output behavior. Also dependant on the settings in menu 1-16.
FO16 - Lock: Follows the primary lock wire output behavior. Also dependant on the settings in menu 2-1 and 2-4.
FO17 - Unlock: Follows the primary unlock wire output behavior. Also dependant on the settings in menu 2-1, 2-3 and 2-5.
FO18 - Trunk release: Follows the primary trunk release wire (M2-03 RED/WHITE/BLACK DOT) output behavior. Also dependant on the settings in menu 2-2.
FO19 - Ground when running (GWR): Follows the primary GWR wire (M2-06 BLUE/WHITE/BLACK DOT) output behavior.
FO20 - Left sliding door: An auxiliary must be assigned to this option in menu 4. The output will pulse 1 sec upon activation of the auxiliary.
FO21 - Right sliding door: An auxiliary must be assigned to this option in menu 4. The output will pulse 1 sec upon activation of the auxiliary.
FO22 - RAP shutdown: provides a 1 second pulse after remote start shutdown which is often used to shutdown the radio or autolights.
FO23 - Siren: Follows the primary siren wire (M2-07 BROWN/BLACK/BLACK DOT) output behavior. Also dependant on the settings in menu 3-10, 3-11 and 3-24.

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Option Menu Descriptions

FO = Default Feature Option

FO24 - GND when engine running: The output will come on after the crank cycle on a successful remote start, and stay on until the runtime expires.
FO25 - GND when disarmed: The output will follow the status of the alarm (when activated in menu 3-1) or the doorlocks if the alarm is disabled. The output is on anytime the alarm is in the disarmed state and stays on until the alarm is armed again. If the alarm is disabled, the output is on when the doorlock state us 'unlocked'.
FO26 - Domelight: The output will come on when the system is disarmed/unlocked and shut off after 30 seconds, or if the doors are re-locked or ignition is turned ON.
FO27 - GND Headlight output: This option can be used to activate the headlights for up to 30 seconds following a command from an RF transmitter or Telematic device (Drone). To control what activates this option see menu 2-18. NOTE: This option will NOT activate from the vehicle's OEM keyless.
FO28 - RS/Alarm LED: This option can be used to provide ground (-) to an external LED for RS and alarm status. If using a LED rated for less than 12v, a resistor may be required.
FO31 - GND with vehicle ignition: This output will come on when the vehicle's ignition is switched on with the key.
FO32 - Secure Start N/C: This output will send ground (-) for the duration set by option 6-05. It is designed to be used with the FTI-SPTS (secure Push To Start) vehicle disable T harnesses. In its active state the N/C option used with the vehicle disable harness will disable the PTS button ONLY WHEN THE ALARM IS TRIGGERED, all other times there will be no output from the N/C Secure Start PTO, and the PTS button will function normally.
-During an alarm event the N/C will disable the PTS button for the selected time to make sure any additional attempts to "hack" or force start the vehicle will not work even after the siren/horn output times out. Once the DC3 is unlocked/disarmed the N/C output will no longer function making the PTS button operate normally.
-NOT RECOMMENDED WHEN USING N/O SECURE START FEATURE.
-IF the user needs to disable the N/C Secure Start Output completely they will need to enter valet mode.
FO33 - Secure Start N/O: This output will send ground (-) for the duration set by option 6-06. It is designed to be used with the FTI SPTS (secure Push To Start) vehicle disable T harnesses. In its rest state the vehicle disable harness will disable the PTS button until the driver is ready to use it.
NOTE: The Vehicle will not be able to go to ignition on until the system is disarmed/unlocked. Once the DC3 is unlocked/disarmed the N/O output will energize the SPTS harness making the PTS button available for use for the preselected time, or until the DC3 is armed/locked. Once ignition on is detected the output will remain latched until ignition has been turned off and the preselected time has expired or the system has been armed/lock using the aftermarket remote, telematics, OEM remote (when supported), or passive arming.
-NOTE: When using the N/O option be sure to select a timed output that will be most convenient for your customer. IF the timer runs out, they MUST disarm/unlock again to re-activate the Secure Start Output.

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Option Menu Descriptions

FO = Default Feature Option

FO33 - Secure Start N/O (cont.):
-IF the user needs to disable the N/O secure start output for some reason, you can put the DC3 into Valet Mode. While in Valet mode the Secure Start Output will activate any time a door is opened, (or when disarmed/unlocked) allowing the PTS button to function normally.
-The (-) Valet Mode Input (PIC 1, M3 - TAN•SILVER DOT) will need to be enabled to enter/exit Valet mode when using the N/O Secure Start function. The open PTS button will not allow the vehicle to go to ignition on position.
-NOTE: It is strongly recommend to disable option 3-15: "Alarm & Starter kill control from OEM keyless function". This will significantly increase the security of the vehicle.

Menu #6 : Pulse timer output configuration (PTO)

If any of the POC in menu 5 are set to Pulse Timer output (PTO), you can set the output time using the options below.

6-1 PTO 1 duration (M2 - WHITE/PURPLE/BLACK DOT)
6-2 PTO 2 duration (M2 - PURPLE/BLACK/BLACK DOT)
6-3 PTO 3 duration (M2 - WHITE/BLACK/BLACK DOT)
6-4 PTO 4 duration (M2 - BROWN/BLACK/BLACK DOT)
6-5 Secure Start N/C duration
6-6 Secure Start N/O duration

PTO 1 through 4 can be configured for any of the following durations:

FO1 - 1 second pulse: The output will come on for 1 second when activated, regardless if the vehicle is running or not.
FO2 - Latched 10 seconds: The output will come on for 1 second when activated, regardless if the vehicle is running or not.
FO3 - Latched 15 seconds
FO4 - Latched 20 seconds
FO5 - Latched 30 seconds
FO6 - Latched 5 minutes
FO7 - Latched 10 minutes
FO8 - Latched for runtime: The output will come on when activated ONLY if the vehicle is running under remote start, and stay on until the runtime expires.

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Option Menu Descriptions

Menu #7 : Inputs configuration

These settings specify the source the system uses for various inputs. The vehicle databus is only used in vehicle specific firmware. When using analog firmware, only analog inputs are used. The default setting for each input is 'Auto' which will automatically take the analog input when no databus input is detected.

7-1 Brake input source

FO1 - Analog: Only the analog input will be used.
FO2 - Vehicle databus: The vehicle databus will provide the input when available. Only applies to digital firmware solutions (vehicle specific).
FO3 - Auto by firmware The system will look for an input on the vehicle's databus. If the input is not available, or there is no databus connection, the analog input will be used.

7-2 Door input source

FO1 - Analog: Only the analog input will be used.
FO2 - Vehicle databus: The vehicle databus will provide the input when available. Only applies to digital firmware solutions (vehicle specific).
FO3 - Auto by firmware The system will look for an input on the vehicle's databus. If the input is not available, or there is no databus connection, the analog input will be used.

7-3 Tach input source

FO1 - Analog: Only the analog input will be used.
FO2 - Vehicle databus: The vehicle databus will provide the input when available. Only applies to digital firmware solutions (vehicle specific).
FO3 - Auto by firmware The system will look for an input on the vehicle's databus. If the input is not available, or there is no databus connection, the analog input will be used.

7-4 Hood input source

FO1 - Analog: Only the analog input will be used.
FO2 - Vehicle databus: The vehicle databus will provide the input when available. Only applies to digital firmware solutions (vehicle specific).
FO3 - Auto by firmware The system will look for an input on the vehicle's databus. If the input is not available, or there is no databus connection, the analog input will be used.

7-5 Trunk input source

FO1 - Analog: Only the analog input will be used.
FO2 - Vehicle databus: The vehicle databus will provide the input when available. Only applies to digital firmware solutions (vehicle specific).
FO3 - Auto by firmware The system will look for an input on the vehicle's databus. If the input is not available, or there is no databus connection, the analog input will be used.

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Option Menu Descriptions

FO = Default Feature Option

7-6 Glow-plug input source

FO1 - Analog: Only the analog input will be used.
FO2 - Vehicle databus: The vehicle databus will provide the input when available. Only applies to digital firmware solutions (vehicle specific).
FO3 - Auto by firmware The system will look for an input on the vehicle's databus. If the input is not available, or there is no databus connection, the analog input will be used.

7-7 Emergency brake input source

FO1 - Analog: Only the analog input will be used.
FO2 - Vehicle databus: The vehicle databus will provide the input when available. Only applies to digital firmware solutions (vehicle specific).
FO3 - Auto by firmware The system will look for an input on the vehicle's databus. If the input is not available, or there is no databus connection, the analog input will be used.

7-8 Temp sensor input source

FO1 - Analog: Only the analog input will be used.
FO2 - Vehicle databus: The vehicle databus will provide the input when available. Only applies to digital firmware solutions (vehicle specific).
FO3 - Auto by firmware The system will look for an input on the vehicle's databus. If the input is not available, or there is no databus connection, the analog input will be used.

7-9 Speed sensor input source

FO1 - Analog: Only the analog input will be used.
FO2 - Vehicle databus: The vehicle databus will provide the input when available. Only applies to digital firmware solutions (vehicle specific).
FO3 - Auto by firmware The system will look for an input on the vehicle's databus. If the input is not available, or there is no databus connection, the analog input will be used.

7-10 T-harness firmware support

FO1 - Disable: No t-harness support (future use)
FO2 - Enable: T-harness support (future use)
FO3 - Auto by firmware The system will automatically determine if a T-harness is supported. Only applies to digital firmware solutions (vehicle specific).

7-11 Digital shock sensor

FO1 - FT-DAS: specified the default source for the shock sensor

7-12 Digital tilt sensor

FO1 - FT-DAS: specified the default source for the tilt sensor

7-20 Temperature sensor adjustment

FO1 to FO30: If the temperature reported by the CM does not match the actual temperature outside, you can use this setting to adjust the reported temp up or down +/- 30 degrees.

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Option Menu Descriptions

FO = Default Feature Option

Menu #8 : Outputs configuration

These settings specify how the system treats various outputs. The vehicle databus is only used in vehicle specific firmware. When using analog firmware, only analog outputs are used. The default setting for each output is 'Auto' which will automatically use the analog output when no databus interface is available.

8-1 Arm output source
- **FO1 - Analog output only:** Only the analog output will be used.
- **FO2 - Analog output and on Databus when available:** If using a digital firmware solutions (vehicle specific) the output may be sent in data. The output is always sent in analog as well.

8-2 Disarm output source
- **FO1 - Analog output only:** Only the analog output will be used.
- **FO2 - Analog output and on Databus when available:** If using a digital firmware solutions (vehicle specific) the output may be sent in data. The output is always sent in analog as well.

8-3 Lock output source
- **FO1 - Analog output only:** Only the analog output will be used.
- **FO2 - Analog output and on Databus when available:** If using a digital firmware solutions (vehicle specific) the output may be sent in data. The output is always sent in analog as well.

8-4 Unlock driver's door output source
- **FO1 - Analog output only:** Only the analog output will be used.
- **FO2 - Analog output and on Databus when available:** If using a digital firmware solutions (vehicle specific) the output may be sent in data. The output is always sent in analog as well.

8-5 Unlock others output source
- **FO1 - Analog output only:** Only the analog output will be used.
- **FO2 - Analog output and on Databus when available:** If using a digital firmware solutions (vehicle specific) the output may be sent in data. The output is always sent in analog as well.

8-6 Trunk release output source
- **FO1 - Analog output only:** Only the analog output will be used.
- **FO2 - Analog output and on Databus when available:** If using a digital firmware solutions (vehicle specific) the output may be sent in data. The output is always sent in analog as well.

8-7 Left sliding door output source
- **FO1 - Analog output only:** Only the analog output will be used.
- **FO2 - Analog output and on Databus when available:** If using a digital firmware solutions (vehicle specific) the output may be sent in data. The output is always sent in analog as well.

8-8 Right sliding door output source
- **FO1 - Analog output only:** Only the analog output will be used.
- **FO2 - Analog output and on Databus when available:** If using a digital firmware solutions (vehicle specific) the output may be sent in data. The output is always sent in analog as well.

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FO = Feature Option

8-9 Parking light output source
FO1 - Analog output only: Only the analog output will be used.
FO2 - Analog output and on Databus when available: If using a digital firmware solutions (vehicle specific) the output may be sent in data. The output is always sent in analog as well.

8-10 RAP shutdown output source
FO1 - Analog output only: Only the analog output will be used.
FO2 - Analog output and on Databus when available: If using a digital firmware solutions (vehicle specific) the output may be sent in data. The output is always sent in analog as well.

8-11 Panic and alarm output source
FO1 - Analog output only: Only the analog output will be used.
FO2 - Analog output and on Databus when available: If using a digital firmware solutions (vehicle specific) the output may be sent in data. The output is always sent in analog as well.

8-12 Car finder output source
FO1 - Analog output only: Only the analog output will be used.
FO2 - Analog output and on Databus when available: If using a digital firmware solutions (vehicle specific) the output may be sent in data. The output is always sent in analog as well.

8-13 Defrost output source
FO1 - Analog output only: Only the analog output will be used.
FO2 - Analog output and on Databus when available: If using a digital firmware solutions (vehicle specific) the output may be sent in data. The output is always sent in analog as well.

8-14 Horn chirp output source
FO1 - Analog output only: Only the analog output will be used.
FO2 - Analog output and on Databus when available: If using a digital firmware solutions (vehicle specific) the output may be sent in data. The output is always sent in analog as well.

8-15 Sleep status on module LED
FO1 - Disable
FO2 - Enable

8-16 Siren chirp output source
FO1 - Analog output only: Only the analog output will be used.
FO2 - Analog output and on Databus when available: If using a digital firmware solutions (vehicle specific) the output may be sent in data. The output is always sent in analog as well.

8-17 Allow siren muting
FO1 - Disable
FO2 - Enable

Menu #9 : Programmable Input Channel (PIC) configuration

9-1 PIC 1 (-) input (M3 - TAN•SILVER DOTS)
FO1 - External Alarm Sensor: This will trigger the alarm with any negative (-) input while the system is armed. There are different options for the behavior of this input in menu 3-14.
FO2 - Valet Input Switch: This will put the module in valet mode by grounding the input for a minimum of 5 seconds, followed by 5 (-) pulses.

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