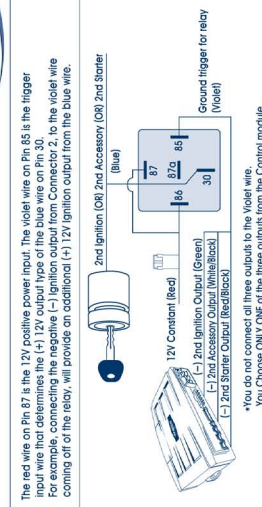
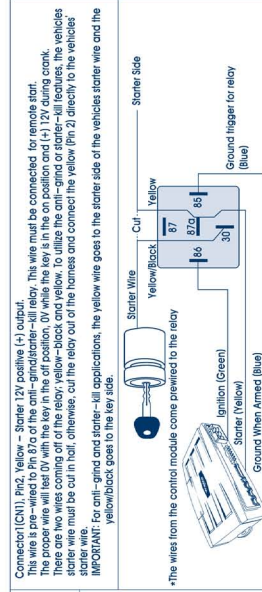


The 6pin antenna port is for future use. Do not utilize both antenna ports at the same time.

Blade Cartridge Slot - Please visit [www.dataink.com/compustar](http://www.dataink.com/compustar) for compatibility and more information. This slot is empty and has a plastic cover that slides off. IMPORTANT: Manufacturer or seller assumes no responsibility for any injuries and/or damages caused by improper care of the product such as exposure to the elements or unauthorized modifications.



**Option Tables**
**STARTIT**

Option Group 1					
	Feature	Default Setting - I	Optional Setting - II	Optional Setting - III	Optional Setting - IV
1-01	Unlock before, Lock after, starting	Off	On	Lock After Remote Start Only	Lock After Shutdown Only
1-02	Lock / Unlock pulse duration	0.8 sec	2.5 sec	0.125 sec	3.5 sec
1-03	Driver's priority unlock	Off	On		
1-04	Double pulse unlock	Off	On		
1-05	Rearm Output	After Start Shutdown and First Lock	After Start Shutdown and Every Lock	After Start Only	After Shutdown Only
1-06	Reservation Lock (Manual transmissions)	Locks When Reservation Mode is Set	Does Not Lock When Reservation is Set	Reservation Sets 10 Seconds After the Last Door is Closed	
1-07	Unlock / Disarm With Trunk Release	Unlock, Factory Disarm, and Trunk Release	Factory Disarm, Trunk Release Only	Trunk Release Only	
1-08	Passive Mode	Off	Passive locking with Passive Arming	No Passive Locking with Passive Arming	
1-09	Ignition controlled door locks	Off	On	RPM Locks (Tach Sensing Mode Only)	
1-10	Auto Relock (If a door is not opened within this amount of time)	Off	30 sec	60 sec	5 min
1-11	Ignition / Accessory Out Upon Unlock	Off	Ignition Pulse - same timing as disarm pulse	Acc Pulse - same timing as disarm pulse	Ignition and Acc Pulse - same timing as disarm pulse
1-13	Double Pulse Disarm Input	Single Pulse	Double Pulse		
1-14	Auto Lock Mode (2 Way International Remotes)	Off	On		
1-15	Trunk Output Timing	1 sec	0.5 sec	2 sec	

Option Group 2					
	Feature	Default Setting - I	Optional Setting - II	Optional Setting - III	Optional Setting - IV
2-01	Tach Sensing Method	Optimal Tach Method	Previous Tach Method	Low Threshold Tach Method	
2-02	Turbo Timer	Off	2 Min	1Min	4 Min
2-03	Diesel Timer	Wire	3~99sec (10sec Default)		
2-04	Trigger Start	Off	Single Pulse	Double Pulse	Triple Pulse
2-05	Cold or Hot Start with Thermistor Assembly	Off	Cold Start	Hot Start	Cold and Hot Start
2-06	Timer Start, or, Minimum Interval Between Cold Starts	3 Hour (4 minute runtime, double for Diesel)	1.5 Hour(4 minute runtime, double for Diesel)	Reservation (Runtime set by 2-7) 2 Way LCD Remotes Only	24 Hour Repeat with Cold Starting of 2-8 (Runtime set by 2-7) 2 Way LCD Only

Option Group 2 Continued					
2-07	Remote Start Runtime	15 Min	25 Min	45 Min	3 Min
2-08	Temperature of Cold Starting	-10° C / 14° F	-20° C / -4° F	-5° C / 23° F	-15° C / 5° F
2-09	Temperature of Hot Starting	25° C / 77° F	30° C / 86° F	35° C / 95° F	40° C / 104° F
2-10	Engine Sensing	Tach	Alternator	No Connection – No Tach Sensing (Tachless Mode Only)	No Connection – 1.5 Second Crank (Not for Manual Transmissions)
2-11	Turbo, Remote Start Runtime Extension w/ #1 for 2 seconds	No	Yes		
2-12	Crank Time	Standard	+0.2 Seconds to Crank Time	+0.6 Seconds to Crank Time	(-)0.2 Second Crank Time
2-13	Timer Mode	Off	On		

Option Group 3					
	Feature	Default Setting - I	Optional Setting - II	Optional Setting - III	Optional Setting - IV
3-01	Parking lights While Remote Started	Constant Output	Flashing Output	Off	
3-02	Dome Light output	Off	Factory Rearm	45 sec	Factory Rearm + 45 Sec
3-03	Dome Light Delay	Off	5 sec	45 sec	Auto
3-04	Starter-Kill Relay	Anti-Grind + Starter Kill	Anti-Grind	Anti-Grind + Passive Starter Kill	
3-06	Factory Style Alarm	Off	On		
3-08	Horn Output	On Double Lock Only	On Lock and Unlock	On Lock, Unlock, and Start	On Double Lock and Start
3-09	Horn Output When Alarm Is Triggered	Pulsed Output	Constant Output (Secondary Siren)		
3-10	Valet	Key 5 times, or Remote (I+III) while Ignition is On	Key 5 times or Remote (I+III)	Secure Valet (Default code 3,3)	
3-11	Auxiliary Settings Mode	Disabled	Enabled		
3-12	Auxiliary Settings With Passive Arming	No Passive Arming	Passive Arming		
3-13	Defroster Temperature Control	Standard	Only below 32 degrees F		
3-14	Defroster Output Timing	0.5 sec pulse	3 min latch	7 min latch	Constant Output Until Remote Start Shuts Down
3-15	Soft Disarm	Off	On		

Option Group 4					
	Feature	Default Setting - I	Optional Setting - II	Optional Setting - III	Optional Setting - IV
4-01	Aux 1 output	0.5sec	Latch	20 sec	Program
4-02	Aux 2 output	0.5sec	Latch	60 sec	Program
4-03	Aux 1 output Control	By Remote	Arm	Disarm	Negative (-) out w/ign shutdown
4-04	Aux 2 output Control	By Remote	Arm	Disarm	Panic
4-05	Secure Aux Output (1 and 2 Only)	On	Off		
4-08	Extended Accessory After Ign Shutoff	Off	10 sec	30 sec	Until Door Open (1 min max)
4-09	Key Sense or Glow Plug input	Glow Plug Input	Key Sense Input		
4-10	Trigger Start or Closed Loop Alarm Trigger Input	Trigger Start input	Closed Loop System Input		
4-11	Bypass Through RS232 Port	ADS	Fortin		
4-13	Antenna Power Save	Off	1 Day Later	2 Days Later	3 Days Later
4-14	Low Battery Warning	Off	On		

Special Option Group 1		
	Feature	Setting Value (Seconds)
1	Diesel Timer - DISL	3 ~ 99
2	AUX1 output time	1 ~ 100
3	AUX2 output time	1 ~ 100
4	AUX3 output time	1 ~ 100
5	AUX4 output time	1 ~ 100
6	AUX5 output time	1 ~ 100
7	AUX6 output time	1 ~ 100
8	AUX7 output time	1 ~ 100

Special Option Group 2			
	Feature	Setting and OP500 Value	
	Programmable Output Connector	0 - Default Setting	1-19 - Optional Settings
1	POC #1	(-) 2nd Parking Light (Green/White)	2nd Light - [1] 2nd Start - [2] 2nd IG1 - [3] 2nd Acc - [4] Status Out - [5] Rearm Out - [6] Disarm Out - [7] Horn Out - [8] Dome Light - [9] Aux 1 Out - [10] Aux 2 Out - [11] Aux 3 - [12] Aux 4 Out - [13] Aux 5 Out - [14] Aux 6 Out - [15] Aux 7 Out - [16] Defrost - [17] GWA - [18] Status 2 For Manual Trans. - [19]
2	POC #2	(-) 2nd Start (Red/Black)	
3	POC #3	(-) 2nd Ignition (Green)	
4	POC #4	(-) 2nd Accessory (White/Black)	
5	POC #5	(-) Status/GWR (Black)	
6	POC #6	(-) Rearm Wire (Orange)	
7	POC #7	(-) Disarm Wire (Orange/White)	
8	POC #8	(-) Horn (White)	
9	POC #9	(-) Auxiliary 1 (Violet)	

**Option Menu Descriptions****STARTIT**

Only the uncommon options are listed here

- 1-03 Driver's Priority Unlock - The driver's door must be isolated from the other doors. Use the Orange/Black CN4 as your 2nd Unlock output.
- 1-04 Double Pulse Unlock – This feature cannot be used with Option 1-03. This feature provides a double pulse on the blue unlock wire.
- 1-05 Rearm Output – Optional settings to change the event trigger on the orange rearm wire.
- 1-06 Reservation Lock – Manual transmission only. Setting III will provide a 10 second delay before the vehicle shuts off after closing the last door to allow for another door to open. Upon a door opening, the user will have 2 minutes to close the last door in order for reservation mode to set.
- 1-09 Ignition Controlled Locks – Setting 2 will lock the doors when the foot brake is pressed and doors closed. Tach sensing mode must be used for setting 3. You must also turn this feature on through the remote by tapping I+IV (2 Way remotes) or Lock+Key (1 Way remotes)
- 1-10 Auto Relock – This option will automatically relock/rearm after the system has been disarmed and the doors have not been opened.
- 1-11 Ignition / Accessory Upon Unlock – This option will pulse the ignition wire, accessory, or both upon unlock/disarm. Most new Chrysler vehicles need the ignition and accessory pulsed to disarm the factory alarm.
- 1-14 Auto Lock Mode – This option must be set for the Auto Mode on 2 Way international remotes to function.
- 2-01 Tach Sensing Method – This option will adjust the method at which tach is read by the module. At default the current setting will minimize overcrank.
- 2-02 Turbo Mode – This option will adjust the run time after Turbo mode has been engaged. The e-brake and door trigger input must be connected and the feature must be turned on through the remote for this feature to work.
- 2-03 Diesel Timer – Use this option if you can't find the glow plug wire. You can use setting 2 for a default wait to start of 10 seconds, otherwise, you can adjust the time with your OP500 Programmer.
- 2-04 Trigger Start – This option changes the number of times required for a negative (-) start input on Pin 12 of CN3.
- 2-05 Cold Start – This option turns on the cold/hot starting features. This option works in conjunction with 2-6, 2-8 and 2-9. The thermistor must be plugged into the controller/brain.
- 2-06 Timer Start or Interval Between Cold Start - This option dictates the time interval when the control module will either remote start or check the temperature and remote start.

2-06 Timer Start or Interval Between Cold Start - This option dictates the time interval when the control module will either remote start or check the temperature and remote start.

Default 1: Will start every 3 hours until the vehicle is remote started or started by key and run for 4 minutes.  
Option 2: Will start every 1.5 hours until the vehicle is remote started or started by key and run for 4 minutes.  
Option 3: Will start at the time specified on the 2 way remote once within 24 hours and run based on Option 2-07.  
Option 4: Will start once every 24 hours if the temperature falls below Option settings 2-08 or above Option settings 2-09.

For example, if you want your car to start and run 25 minutes when the temperature falls below 32°F, you need to set up the following options:

- 1) Option 2-05 (Cold Start) turned on,
  - 2) Option 2-06-IV (24 hr. repeat) turned on,
  - 3) Option 2-07-II (25 min run-time) turned on,
  - 4) Option 2-08-IV (Temp 32°F) turned on,
- \*Set the reservation time at 7 am (see User's guide)  
\*\*Turn on Timer Mode of the 2 way LCD remotes (see User's Guide)

2-08 Temperature of Cold Starting – Works in conjunction with Options 2-05 and 2-06. See option table for available temperatures.

2-10 Engine Sensing – Review the “Common Procedures” section for complete explanations on the four engine sensing modes.

2-11 Runtime Extension – This option resets the engine run countdown before the vehicle shuts off for either the remote start or turbo timer. To reset the runtime you must hold the remote start button for 2.5 seconds while the unit is still running. This feature is only available on select 2 Way LCD remotes.

3-02 Dome Light Output – This option sets the timing output of the Dome Light wire on CN3.

Default 1: Off

Option 2: Factory Rearm – This system will pulse the dome light output during lock/arm.

Option 3: 45 second Dome Light Output – activates the dome light for 45 seconds upon unlock/disarm.

Option 4: This is a combination of 2 and 3.

3-03 Dome Light Delay – This option is used when connecting the door trigger input to the vehicles dome light circuit. It delays the door trigger input to prevent the door open icon displaying on 2 Way remotes upon lock/arm.

3-04 Starter-Kill – This option determines the mode of the anti-grind/starter-kill relay.

3-10 Valet – This option changes valet modes.

Default 1: Key on/off five times or remote valet (I + III for 0.5 seconds) with key in the on position.

Option 2: Key on/off five times or remote valet (I+III for 0.5 seconds) – key does not need to be in the on position.

Option 3: Secure valet: RPS Valet or remote valet (I+III for 0.5 seconds) – this option prevents the system from being put into valet via key on/off five times. To set up the RPS Valet feature, review the “Placement and Use of Components” section.

3-11 Auxiliary Settings – This option requires the installation of the optional Auxiliary settings module. The Auxiliary settings adds five additional independent auxiliary outputs for a total of seven. With this option turned on, auxiliary 2 becomes non functional and Aux 1 becomes the data wire for the Auxiliary settings. Special Option Group 1 allows for independent timing of these outputs.

3-12 Passive Arming w/Auxiliary Settings – The ability to activate/deactivate Passive Arming through the remote is lost once Option 3-11 is turned on. This option allows the use of Passive Arming when using the optional Auxiliary settings.

3-13 Defroster Temperature Control - When set to setting II, this option will disable the defroster output when the temperature is above 32 F / 0 C. Setting I will activate the defroster regardless of the temperature.

3-14 Defroster Timing - Some vehicles need a pulse to activate the defroster, others will need a constant output to remain active, you can use this option to adjust the duration of the defroster output.

3-15 Soft Disarm - When a vehicle has a factory alarm, and the Firstech alarm is triggered, you may have both alarms triggered at the same time. In the default setting, silencing the Firstech system will not send the disarm pulse to the factory system, therefore requiring the user to first silence the Firstech system and then unlock and disarm to silence the factory system. Setting II sends the disarm pulse when the Firstech system is silenced. The module will monitor the door triggers. If the door is opened while locked/armed then the horn will honk if connected.

- 4-01 Aux 1 Output - This option determines the duration of the Aux 1 output. Setting IV allows the output duration to be set for a specific length of time.
- 4-02 Aux 2 Output - This option determines the duration of the Aux 2 output. Setting IV allows the output duration to be set for a specific length of time.
- 4-05 Secure Aux Output – On the default setting, button 4 on the remote must be pressed first before Aux 1 or Aux 2 can be triggered. This prevents accidental triggering of the outputs. Option setting II turns this feature off.
- 4-08 Extended Accessory After Ignition Shutoff – This option keeps the Accessory wire powered up after the ignition is shut off. This can be used to keep the radio turned on even after the key is removed from the ignition (similar to GM vehicles).
- 4-09 Glow Plug or Key Sense – Default setting sets the wire as a glow plug input. Option setting 2 changes the wire to a key sense input. Key sense can be used to prevent reservation mode from setting and the system from passive arming while the key is still in the ignition. Key sense also turns off dome-light supervision when the key is inserted into the ignition.
- 4-10 Trigger Start or Closed Loop System – Default setting sets Pin 12 on CN3 as a trigger start input, which will initiate remote start with a negative (-) trigger. Option 2-04 allows the number of pulses required to initiate remote start to be changed. Setting 2 changes the wire to a closed loop input, which makes it an instant alarm trigger when separated from ground - Ideal for protecting trailers or headlights.
- 4-11 Bypass Brand Through RS232 Port – Default setting allows for compatibility with ADS Idatalink modules. Setting 2 changes compatibility to Fortin bypass modules.
- 4-13 Antenna Power Save - Some people may not drive their vehicle very often, this may cause the battery to become discharged because it is not getting recharged on a regular basis. The antenna power save option will turn off the antenna after the specified amount of time to conserve power. While the antenna is asleep, the system will not respond to the remotes. Any type of input to the system will wake up the antenna, i.e.: ignition, brake, door, trunk, hood, shock, rps, ect. This means that a remote start only user just needs to open their door to reactivate the system, however, a user with an alarm or alarm/start system will need to trigger the prewar stage of the shock sensor to quietly wake up the antenna.
- 4-14 Low Battery Warning - This feature option which is default to off. When the system is armed and the feature is on the main control unit will monitor the voltage of the vehicles battery at its connection point. When the battery voltage drops to or below 11 volts the control module will send a page to the 2way. It will beep several times for 5 seconds, every 50 seconds, 3 times and flash the battery indicator on the remote. When you query the remote or unlock/disarm the system the remote will display the voltage of the vehicle's battery.