Feature Programming Tables

#1	Feature	Option Setting			
		Default(I)	Option (II)	Option (III)	Option (IV)
1-1	Unlock before, Lock after, starting.	Off	On	Lock After Start Only	Lock After Shutdown Only
1-2	Lock / Unlock pulse duration.	0.8 sec	2.5 sec	0.125 sec	3.5 sec
1-3	Driver's priority unlock	Off	On		
1-4	Double pulse unlock.	Off	Unlock	Lock	Both Lock and Unlock
1-5	Rearm Output	1st Lock, After Start, and After Shutdown	1st Lock, After Shutdown	After Start Only	After Shutdown Only
	Feature Removed				
1-7	Unlock / Disarm with Trunk Release	Unlock, Factory Disarm, and Trunk Release	Factory Disarm, Trunk Release Only	Trunk Release Only	
1-8	Locking while in Passive Arming	Off	Passive locking w/ Passive Arming	No Passive Locking w/ Passive Arming	
1-9	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	Ig and Acc Pulse-same timing as disarm pulse
1-12	OEM remote status update from ADS module	On	Off		
1-13	Double pulse disarm	Standard	Double Pulse		
1-14	EZ-GO RFID Function	Off	FTX/Always Unlock	Unlock	Proximity Lock/Unlock
1-15	Trunk Output Timing	1sec	2 sec	3 sec	4 sec
1-16	Siren/Horn Mute Control on Remote	Disabled	Enabled	Silent Alarm	

#2	Feature	Option Setting			
		Default(I)	**Option (II)**	**Option (III)**	**Option (IV)**
2-1	Tach Threshold	Optimal Tach Threshold	Previous Tach Method		
2-2	Turbo Timer mode.	Off	2 Min	1Min	4 Min
2-3	Diesel wait to start	Wait to start input Wire	3~99 sec (12sec Default)	7 sec	GM Ignition Delay
2-4	Trigger Start	Off	Single Pulse	Double Pulse	Triple Pulse
2-5	Cold or Hot Start with Thermistor Assembly	Off	Cold start only	Hot start only	Cold and Hot start
2-6	Timer Start, or, Minimum Interval Between Cold Starts	3 Hour (4-minute runtime, double for Diesel)	2 Hour Repeat with Cold Starting of 2-8 (Runtime 2-7)	Reservation (Runtime 2-7)	24 Hour Repeat with Cold Starting of 2-8 (Runtime 2-7)
2-7	Remote Start Runtime	15 Min	25 Min	45 Min	PROG. 3 ~ 45 mins 3 min (default)
2-8	Temperature of Cold Starting	-10°C / 14°F	-20°C / -4°F	-5°C / 23°F	PROG. -30°C ~ 0°C / -22°F ~ 32°F (-15°C / 5°F default)
2-9	Temperature of Hot Starting	25°C / 77°F	30°C / 86°F	35°C / 95°F	PROG. 20°C ~ 66°C / 68°F ~ 150°F (40°C / 104°F default)
2-10	Engine Sensing	Tach	Alternator	No Connection (Voltage sensing, Automatic Transmission only)	Assumed Running PROG. 1~6 second output (3 second default)
2-11	Advanced Tachless	Off	On		
2-12	Min. Crank Time	Standard	+0.2 Seconds to Crank Time	+0.6 Sec to Crank Time	Standard – MIN(0.2sec)
2-13	Timer Mode	Off	On	On w/ Alert	Alert Only
2-14	Reservation "Enter with": (Manual transmission)	Off	Parking brake is set	Parking brake set + Hold start button for 2.5 sec	Parking brake: set → Release → (within 7 seconds) set
2-15	Reservation "set with": (Manual transmission)	last door closed (locks before shut down)	Last door closed + Lock command	10 Seconds After the Last Door is Closed or Lock Command	Last door is closed (Locks after shut down)
2-16	Force Shutdown after Remote Start	Off	W/ Door Open	W/ Unlock Command	

#3	Feature	Setting			
		Default(I)	**Option (II)**	**Option (III)**	**Option (IV)**
3-1	Parking lights Control	Constant Output While Remote Started	Flashing Output While Remote Started	Off While Remote Started	Off While Lock and Unlock Only
3-2	Siren/horn output timing	Medium (30mS)	Short (15mS)	Normal (60mS)	
3-3	Dome Light Delay	Off	5 sec	45 sec	Auto
3-4	Starter-Kill relay.	Anti-Grind + Starter Kill	Anti-Grind	Anti-Grind + Passive Starter Kill	
3-5	Anti-Jacking	Starter-kill	Ignition-Kill (no Anti-Grind)		
3-6	Security features CM7000 ONLY **	ON	OFF		
3-6	Security features CM7200 ONLY**	OFF	ON		
3-7	Siren Duration (Upon Alarm Trigger)	30 sec	60 sec	120 Sec	Chirps for 20 seconds
3-8	Horn Output	On Double Lock Only	On Lock and Unlock	On Lock, Unlock, and Start	On Double Lock and Start
3-9	SIREN Confirmation configuration	On Lock, Unlock, and Start	On Double Lock Only	On Lock and Unlock	On Double Lock and Start
3-10	Valet	Key 5 times with Foot Brake Trigger or Remote (Lock + Trunk) while Ignition is on	Key 5 times with Foot Brake Trigger or Remote (Lock + Trunk)		
3-11	Auxiliary 3-7	Disabled	Enabled		
3-12	VAC (Ventilation, Air Conditioning)	Above 100 Degrees F	Above 90 Degrees F	Above 80 Degrees F	Above 90 Degrees Latched for Runtime
3-13	Defroster Temperature Control	Standard	Only below 32 degrees F	PROG 0°C/32°F ~ 13°C/55°F below 6°C/42°F default	AUX 1
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	Disarm 1 Press	
3-16	RPS	FT-RPS Touch	FT-RPS 2	FT-RPS Touch (No LED flash while arm)	

#4	Feature	Setting			
		Default(I)	Option (II)	Option (III)	Option (IV)
4-1	Aux 1 output	0.5sec	Latch	0.5 sec Pulse + Program	Program
4-2	Aux 2 output	0.5sec	Latch	0.5 sec Pulse + Program	Program
4-3	Aux 1 output Control	By Remote	Disarm	RS shut down	Input Trigger from PIC
4-4	Aux 2 output Control	By Remote	Arm	Remote Start command	Input Trigger from PIC
4-5	Secure Aux Output (1 and 2 Only)	On	Off	On While Armed	
	Feature has been Removed Please see PIC 6 for options				
	Feature has been Removed Please see PIC 7 for options				
4-8	Aux 1 and Aux 2 Control iDatalink Modules (Sliding Doors)	Off	Unlock, Factory Disarm, and Sliding Door Control	Factory Disarm and Sliding Door Control Only	
	Feature has been Removed Please see PIC 3 for options				
4-10	Trigger Start System Input	(+) Trigger Start input	(+) Ignition input	(+) keysense input	(+) Glow Plug Input
4-11	DroneMobile or Fortin RS232 Port (Grey Plug)	DR-2000 (Grey 4Pin)	Fortin (Grey 4Pin)		
4-12	Impact Sensor	DAS Sensor	Shock Sensor	1st Stage Disarm Input | 2nd Stage Double Arm Input	1st Stage Disarm Input | 2nd Stage Arm Input
4-13	Antenna Power Save	OFF	1 Day Later	2 Days Later	3 Days Later
4-14	Low Battery Warning	OFF	ON (at 11.7 Volts)	Low Battery Start (11.7 V)	
	Feature has been Removed Please see PIC 4 for options				
4-16	Auto Re-Start	OFF	ON w/ 1 Re-Start	ON w/ 2 Re-Start	

S-#1	Special feature group 1	Setting Value
1	Diesel timer	3 ~ 99 [seconds]
2	AUX1 output time	1 ~ 99 [seconds], LA(Latch), 1~15 [minutes](with OP500 update .30+)
3	AUX2 output time	1 ~ 99 [seconds], LA(Latch), 1~15 [minutes](with OP500 update .30+)
4	AUX3 output time	1 ~ 99 [seconds], LA(Latch), 1~15 [minutes](with OP500 update .30+)
5	AUX4 output time	1 ~ 99 [seconds], LA(Latch), 1~15 [minutes](with OP500 update .30+)
6	AUX5 output time	1 ~ 99 [seconds], LA(Latch), 1~15 [minutes](with OP500 update .30+)
7	AUX6 output time	1 ~ 99 [seconds], LA(Latch), 1~15 [minutes](with OP500 update .30+)
8	AUX7 output time	1 ~ 99 [seconds], LA(Latch), 1~15 [minutes](with OP500 update .30+)
9	Remote Start Runtime	3 ~ 45 [minutes]
10	Cold Start Temperature	-30 ~ 0 [℃] / -22 ~ 32 [℉]
11	Hot Start Temperature	20 ~ 66 [℃] / 68 ~ 150 [℉]
12	Defroster Temperature	0 ~ 13 [℃] / 32 ~ 55 [℉]
13	Assumed Running Crank Time	1 ~ 6 [seconds]

S-#2	Special Feature group 2	Setting Value		
	Programmable (-) Output Channel	Options		
1	POC #1 (Default: Starter-kill)	2nd LIGHT [1]	DOME LIGHT [9]	Defrost [17]	Lock [25]
2	POC #2 (Default: Horn)	2nd START [2]	Aux1 [10]	GWA [18]	Unlock [26]
3	POC #3 (Default: Lock)	2nd IG1 [3]	Aux2 [11]	Status-2 [19]	Priority Unlock [27]
4	POC #4 (Default: Unlock)	2nd ACC [4]	Aux3 [12]	Siren-2 [20]	Trunk Release [28]
5	POC #5 (Default: Disarm)	STATUS [5]	Aux4 [13]	Defrost-2 [21]	Starter Kill [29]
6	POC #6 (Default: Rearm)	REARM [6]	Aux5 [14]	VAC [22]	Hazard light [30]
7	POC #7 (Default: Trunk Release)	DISARM [7]	Aux6 [15]		
8	POC #8 (Default: Status)	HORN [8]	Aux7 [16]	Aux3 (EZ-GO Unlock) [24]	

S-#3	Special Feature group 3	Setting Value		
	Programmable (-) Input Connector	Optional		
1	PIC #1 (Default: (-) E-Brake Input)	(-) E- Brake Input [1]	(-) Disable Arm/Disarm/Trigger Start input [8]	(-) Arm Input [15]
2	PIC #2 (Default: (-) Trunk Input)	(-) Trunk Input [2]	(N/C) Trunk Input [9]	(-) Disarm Input [16]
3	PIC #3 (Default: (-) Keysense input)	(-) Key Sense Input [3]	(N/C) Key Sense Input [10]	(-) IGN & Sensor Bypass Input [17]
4	PIC #4 (Default: (-) door input)	(-) Hood Input [4]	(N/C) Hood Input [11]	(-) AUX 1 trigger input [18]
5	PIC #5 (Default : (-) Hood)	(-) Door Input [5]	(N/C) Door Input [12]	(-) AUX 2 trigger input [19]
6	PIC #6 (Default: (-) Pre-warn)	(-) Trigger Start Input [6]	(-) Pre-warn Input [13]	
7	PIC #7 (Default: (-) Instant Trigger)	(-) Glow Plug Input [7]	(-) Instant Trigger Input [14]	

Feature Option Descriptions

FO = Feature Option

1-01 Unlock before, Lock after:
    FO1 - Off
    FO2 - On: Sends an unlock command as soon as the remote start sequence is triggered then send a relock command as soon as the CM7 has confirmed remote start success.
    FO3 - Lock after start only: Sends a lock command after the CM7 has confirmed remote start success.
    FO4 - Lock after shutdown only: will send a lock command only after the CM7 has successfully shut down. *Note: It will not provide an output if the CM7 is shut down with an emergency override input. (i.e. hood pin, or foot brake input)*
1-02 Door Lock/Unlock output Pulse Duration: This does not affect the behavior of the factory arm output (orange wire) or factory alarm disarm output (orange/white wire).
    FO1 - 0.8 seconds: (-) Negative lock and unlock output time.
    FO2 - 2.5 seconds: (-) Negative lock and unlock output time.
    FO3 - 0.125 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.
    FO4- 3.5 seconds: (-) Negative lock and unlock output time.

1-03 Driver's Priority Unlock:
    FO1 - Off: (default)
    FO2 - On: This feature will allow the user to unlock the driver's door first. If the unlock button is pressed again within 4 seconds, the other doors will unlock. The driver's door unlock must be isolated from the other doors and use the blue (-) unlock. The Orange/Black (-) 2nd unlock (POC setting) is used to provide unlock output to unlock all other doors.