



FEATURE TABLES

CMX-V 1.44

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Please visit <https://myfirstech.com> for additional installation resources

8pin Power

1	2	1. Red	(+) 12V Constant
3	4	2. Green/White	(+) 12V Parking Light (HCP# 1)
5	6	3. Red/White	(+) 12V Constant
7	8	4. White	(+) 12V Accessory (HCP# 2)
		5. Blue	(+) 12V Ignition-2 (HCP# 3)
		6. Yellow	(+) 12V Starter
		7. Green	(+) 12V Ignition (Output/Input)
		8. Black	GND

8pin small power

1	2	1. Red	(+) 12V Constant
3	4	2. Green/White	(+) 12V Parking Light (HCP# 1)
5	6	3. Red/White	(+) 12V Constant
7	8	4. White	(+) 12V Accessory (HCP# 2)
		5. Blue	(+) 12V Ignition-2 (HCP# 3)
		6. Yellow	(+) 12V Starter
		7. Green	(+) 12V Ignition (Output/Input)
		8. Black	GND

Blade Cartridge Connector

1	2	1. Blue/White	(-250mA) GWA (POC# 1)
3	4	2. Brown	(+2A) SIREN OUT
5	6	3. White	(-250mA) HORN OUT (POC# 2)
7	8	4. Light Blue/White	(+) FOOT BRAKE IN
9	10	5. Blue/Green	(-250mA) LOCK OUT (POC# 3)
11	12	6. Light Blue	(-) E BRAKE IN (PIC# 1)
13	14	7. Blue	(-250mA) UNLOCK OUT (POC# 4)
15	16	8. Violet/Black	(-) TRUNK TRIGGER IN (PIC# 2)
17	18	9. Orange/White	(-250mA) DISARM OUT (POC# 5)
19	20	10. Red/White	(-/+) DOOR TRIGGER IN (Option Select) (PIC# 4)
		11. Orange	(-250mA) REARM OUT (POC# 6)
		12. Brown/White	(-) KEYSENSE IN (PIC# 3)
		13. Violet/White	(-250mA) TRUNK OUT (POC# 7)
		14. Pink	(+) TRIGGER START IN
		15. Black	(-250mA) STATUS OUT (POC# 8)
		16. Gray/Black	(-) HOOD IN (PIC# 5)
		17. Green/White	(-250mA) LIGHT OUT (Fixed Output)
		18. Yellow/Black	(AC) TACH IN
		19. Red/Black	(-250mA) START OUT (Fixed Output)
		20. White/Black	(-250mA) ACCESSORY OUT (Fixed Output)

SIREN (BROWN 2P)

(+2A) SIREN OUT	Brown	2
GND	Black	1

AUX IN (GREEN 4P)

(-) Pre Warning Input (PIC# 6)	Gray/White	4
(+) 12V	Red	3
(-) Warning Input (PIC# 7)	Black/White	2
GND	Black	1

SHOCK (RED 4P)

RPS (WHITE 4P)

LED (WHITE 2P)

GND	None	6
(-250mA) LOCK OUT	Blue/Black	5
(-250mA) UNLOCK OUT	Blue	4
(-250mA) PRIORITY UL	Orange/Black	3
(-250mA) TRUNK OUT	Violet/White	2
(+) 12V	None	1

Antenna 4P Module (BLUE 4P)

Teperature (BLUE 2P)

UART1 (BLACK 4P)

UART2 (GRAY 4P)

UART3 (BROWN 4P)

CM-X



S/N: MTK300A00001

Made In Vietnam

JUMPER WIRE

Cutting → Auto
Normal → Manual



Warning
Manufacturer or seller assumes no responsibility for any injuries or damages caused by improper care of the product as decomposition, conversion and transform done by a user voluntarily.



Warning
Do not run wires around or near clutch, brake, or gas pedals. Doing so may cause driving hazards.

Feature Option Tables

Option group #1

#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
1-06	N/A				
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	Passive Locking/Arming with RFID
1-9	Ignition controlled door locks	Off	On	RPM Locks (MUST USE TACH)	
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	Off	On		
1-13	Double pulse disarm	Standard	Double Pulse		
1-14	FT-RFID Function	Unlock once armed	FTX/Always Unlock	Off	N/A
1-15	Trunk Output Timing	1sec	2 sec	3 sec	4 sec
1-16	Siren/Horn Mute Control on Remote	Disabled	Enabled	Silent Alarm	

Option group #2

#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)	Reserved (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	

Option group #3

#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	OFF	ON	Alarm Only	
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 procedure	Foot Brake + Ignition 5 times or Remote w/ Ignition is on	Foot Brake + Ignition 5 times or Remote	Wired Valet Input	
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 (4-digit code)	FT-KP2 (4-6-digit code)	FT-RPS Touch (No LED flash while arm)	FT-KP2 (no LED flash while armed)
3-17	Secure Start N/O Timer	Off	2 min	4 min	Prog. 1-10 min (10 min default)
3-18	Secure Start N/C Timer	Off	1 min	2 min	4 min

Option group #4

#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	
4-6	Hazard output Timing [30]	400mS	600mS	800mS	1000mS
4-7	Parking light flash interval during RS	10sec	20sec	40sec	60sec
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	
4-09	Door Input Polarity	(-) Door Input	(+) Door Input		
4-10	Trigger Start System Input	(+) Trigger Start input	(+) Ignition input	(+) keysense input	(+) Glow Plug Input
4-11	Drone or Fortin Data Port (gray Plug)	Drone (gray 4Pin)	Fortin (gray 4Pin)		
4-12	Impact Sensor	DAS Sensor	FT Shock	Drone XC DAS	FT Shock II
4-13	Antenna Power Save	OFF	1 Day Later	2 Days Later	3 Days Later
4-14	Low Battery Warning	ON	Low Batt Start	OFF	
4-15	KP2 Sensitivity	Normal	High	Low	Lowest
4-16	Auto Re-Start	Off	ON w/1 re-start	ON w/2 re-start	
4-17	Low Batt. Warning Voltage	11.7 volts	11.5 volts	11.3 volts	11.0 volts

Special Option group #1

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 .31+)
3	AUX2 output time	1 ~ 99 [seconds], LA(Latch), 1~15 [minutes] (with OP500 update .31+)
4	AUX3 output time	1 ~ 99 [seconds], LA(Latch), 1~15 [minutes] (with OP500 update .31+)
5	AUX4 output time	1 ~ 99 [seconds], LA(Latch), 1~15 [minutes] (with OP500 update .31+)
6	AUX5 output time	1 ~ 99 [seconds], LA(Latch), 1~15 [minutes] (with OP500 update .31+)
7	AUX6 output time	1 ~ 99 [seconds], LA(Latch), 1~15 [minutes] (with OP500 update .31+)
8	AUX7 output time	1 ~ 99 [seconds], LA(Latch), 1~15 [minutes] (with OP500 update .31+)
9	Remote Start Runtime	3 ~ 45 [minutes] (with OP500 update .31+)
10	Cold Start Temperature	-30 ~ 0 [°C] / -22 ~ 32 [°F]
11	Hot Start Temperature	20 ~ 66 [°C] / 68 ~ 150 [°F]
12	Defroster Temperature	0 ~ 13 [°C] / 32 ~ 55 [°F]
13	Assumed Running Crank Time	1 ~ 6 [seconds] (with OP500 update .31+)
14	Secure Start Timer Prog.	1-10 minutes (with OP500 update .36)

Special Option group #2

S-#2	Special Feature group 2	Setting Value			
	Programmable (-) Output Channel	Options			
1	POC #1 (Default: Starter-kill)	2nd LIGHT [1]	Aux1 [10]	Status-2 [19]	Trunk Release [28]
2	POC #2 (Default: Horn)	2nd START [2]	Aux2 [11]	Siren-2 [20]	Starter Kill [29]
3	POC #3 (Default: Lock)	2nd IG1 [3]	Aux3 [12]	Defrost-2 [21]	Hazard light [30]
4	POC #4 (Default: Unlock)	2nd ACC [4]	Aux4 [13]	VAC [22]	RAP [31]
5	POC #5 (Default: Disarm)	STATUS [5]	Aux5 [14]	Hazard light 2 [23]	Secure Start N/O [32]
6	POC #6 (Default: Rearm)	REARM [6]	Aux6 [15]	Aux3 w/RFID Unlock [24]	Secure Start N/C [33]
7	POC #7 (Default: Trunk Release)	DISARM [7]	Aux7 [16]	Lock [25]	Starter Kill N/O [34]
8	POC #8 (Default: Status)	HORN [8]	Defrost [17]	Unlock [26]	N/A
		DOME LIGHT [9]	GWA [18]	Priority Unlock [27]	Clutch bypass [36]

Special Option group #3

S-#3	Special Feature group 3	Setting Value		
	Programmable (-) Input Connector	Optional		
1	PIC #1 (Default: (-) E-Brake Input)	(-) E- Brake Input [1]	(N/C) Trunk Input [9]	(-) IGN & Sensor Bypass Input [17]
2	PIC #2 (Default: (-) Trunk Input)	(-) Trunk Input [2]	(N/C) Key Sense Input [10]	(-) AUX 1 trigger input [18]
3	PIC #3 (Default: (-) Keysense input)	(-) Key Sense Input [3]	(N/C) Hood Input [11]	(-) AUX 2 trigger input [19]
4	PIC #4 (Default: (-) door input)	(-) Hood Input [4]	(N/C) Door Input [12]	(-)Closed Loop Input [20]
5	PIC #5 (Default: (-) Hood)	(-) Door Input [5]	(-) Pre-warn Input [13]	(-)Closed Loop Input [21]
6	PIC #6 (Default: (-) Pre-warn)	(-) Trigger Start Input [6]	(-) Instant Trigger Input [14]	(-) Valet Input [22]
7	PIC #7 (Default: (-) Instant Trigger)	(-) Glow Plug Input [7]	(-) Arm Input [15]	
		(-) Disable Arm/Disarm/Trigger Start input [8]	(-) Disarm Input [16]	

Special Option group #4

S-#4	Special Feature group 2	Setting Value			
	High Current Programmable (-) Output Channel	Options			
1	HCP #1 (Default: Parking light) 10A MAX OUPUT	2nd LIGHT [1]	DOME LIGHT [9]	N/A	Lock [25]
2	HCP #2 (Default: ACC) 20A MAX OUTPUT	2nd START [2]	AUX 1 [10]	N/A	Unlock [26]
3	HCP #3 (Default: Ignition) 20A MAX OUTPUT	2nd IG1 [3]	AUX 2 [11]	N/A	N/A
4		2nd ACC [4]	N/A	Siren-2 [20]	Trunk Release [28]
5		STATUS [5]	N/A	N/A	N/A
6		REARM [6]	N/A	N/A	N/A
7		DISARM [7]	N/A	N/A	N/A
8		HORN [8]	N/A	Aux3 (RFID Unlock) [24]	Clutch bypass [36]

NOTES:

Write that shit DOWN!