



## Upfitter Interface Module Configuration Order Form - J1939 only

Choose up to 4 additional items below by placing an "X" under each pin number. Circle the parameter (above or below) and enter the value for the pin to provide a ground signal. Multiple selections for an individual pin are possible (e.g. provide ground signal when oil temp is "x" or coolant temp is "y"). The default settings are listed below. The form is not needed if you only want the default outputs.

Options	PID	Parameter	Value	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
Clean Tach Output	CTO	Variable Freq.	RPM								
Engine Running Status	RPM	Digital									
Transmission in Park	TR	Digital									
Vehicle Speed	VSS	square wave	2.2 Hz / mph								
A/C Clutch Engage	AC	on / off									
Battery Voltage	VPWR	above / below	volts								
Door Locks	DL	Locked / Unlocked									
Door(s)		Open / Closed									
Engine Coolant Temp	ECT	above / below	(deg F)								
Engine Speed	RPM	above / below	rpm								
Fuel Level Input	FLI	above / below	%								
Headlights	HL	Off / Park / High / Low									
Ignition Status	IGN	On / Off									
Intake Air Temp	IAT	above / below	(deg F)								
Parking Brake	PB	on / off									
Service Brake Applied	SB	on / off									
Throttle Position	APP	Closed / Open / Wide Open									
Transmission Fluid Temp	TFT	above / below	(deg F)								
Transmission Range	TR	P R N D									
Turn Signals	TS	Off / Left / Right / Either									
Vehicle Speed	VSS	above / below	mph								
Switch Input 1 J6/1	INPUT1	Power & / or Ground	True / False								
Switch Input 2 J6/3	INPUT2	Power & / or Ground	True / False								

Manufacturer \_\_\_\_\_

Date \_\_\_\_\_

Agent Name \_\_\_\_\_

- e.g. 1 Turn on Pin 5 when RPM < 2,000 AND switch 1 is "on"
- e.g. 2 Turn on Pin 6 when a door is open OR switch 2 is "on"

The default configuration for the 8 outputs are as follows:

- Pin #1 (Purple wire) Trans Range=Reverse
  - Pin #2 (Green wire) Vehicle Speed >65
  - Pin #3 (White wire) Engine Coolant Temp>230
  - Pin #4 (Gray wire) Service Brake = Applied
  - Pin #8 (Brown wire) Engine Running = True
  - Pin #9 (Orange wire) VSS — 2.2Hz/MPH
  - Pin #10 (Blue wire) Trans Range = Park
  - Pin #11 (Yellow wire) Clean Tach Out, 0-12V pulsed
- CTO = ((RPM/2)\*#Cyl) = pulses per minute. E.G. 600rpm = 2400 (8 cylinders)