



### Upfitter Interface Module Configuration Order Form - Excluding J1939

\*\*\*For more detailed options, it is recommended to download the UIM Graphical User Interface (GUI), complete the configurations, save and email with your order.\*\*\*

See different forms for J1939 or UIM4

**Instructions:**

Define the desired conditions for each output to go active (low) by writing 'Logic A or Logic B or Logic C or Logic D' in the column under each pin. Highlight the parameter column as needed to indicate the desired condition. Multiple conditions for an individual pin are possible (e.g. output active when Engine Coolant Temp >240 or Transmission Fluid Temp >250). The default settings are listed below. The form is not needed if you only want the default outputs.

Options	PID	Parameter	Value	Output 1 Pin 1	Output 2 Pin 2	Output 3 Pin 3	Output 4 Pin 4	Output 5 Pin 8	Output 6 Pin 9	Output 7 Pin 10	Output 8 Pin 11	Comment / Notes
ABS Event	ABS	Digital										short pulse(s)
Clean Tach Output	CTO	Variable Freq.	RPM									Output 8 / Pin 11 only
Engine Running Status	RPM	Digital										
Transmission in Park	TR	Digital										
Vehicle Speed	VSS	square wave	2.2 Hz / mph									Output 6 / Pin 9 only
A/C Clutch Engage	AC	on / off										
Airbag Deployed/Service	Airbag	Off / On										
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	40%									
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										
Transfer Case		2WD / 4WD LOW / 4WD HIGH										
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	INPUT1	Power & / or Ground	True / False									
Switch Input 2	INPUT2	Power & / or Ground	True / False									

**Output Pin Equation: (Logic A OR Logic B) AND (Logic C OR Logic D)**

Manufacturer \_\_\_\_\_

Date \_\_\_\_\_

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

Configuration Name \_\_\_\_\_

\*Name can be 12 Chars MAX\*

\*16 total characters\*

Intermotive / LGS Sales Representative \_\_\_\_\_

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)