OpsVantage (for RAM DT

Officer Protection with Custom CAN Utilization



Upfitter Interface Module®+ Features

- Provides CAN vehicle data access in order to activate and control equipment
- Acquires CAN data passively to eliminate unnecessary network communication
- Easily programmable using our Graphical User Interface with AND/OR logic
- Up to eleven digital outputs can be programmed as desired:
 - Momentary (e.g., air horn siren)
 - Latching (e.g., emergency light)
 - Time-hold (e.g., weapons lock)
 - Time-delay (e.g., delayed siren)
 - Flashing (e.g., lights on when door opens)
 - Timeout (e.g., turns off cargo lamp after 30 minutes)
- · Multiple inputs can control a single output
- Includes horn mute, radio mute and panic mute (silent alarm)

- Includes IdleLock[™] with AutoSense[™]:
 - Theft prevention system for idling vehicles
 - Automatically activates when the officer exits with the OEM fob or the doors are left open; auto-deactivates when the fob returns
 - If the vehicle is shifted out Park without the fob detected, IdleLock will shut the engine off and engage the Park Brake
 - All lights, equipment and HVAC are still fully functional while system is active
 - System disables access to auxiliary equipment/weapons rack or provides lock delay function via an output



See pages 3-4 for a list of CAN data available for configuration.





Police Interface Module (PIM)

- · Supports multiple InterMotive features on one module
- · Designed specifically for law enforcement vehicles

PIM A* Features

Intelligent Switch Mode

- Custom reprogramming of steering wheel auxiliary buttons
- Enables quick activation of lights, sirens, spotlights, push-to-talk radio and installed InterMotive features
- Increases functionality and efficiency

Officer Protection Package

- Increases an officer's situational awareness by detecting movement behind the vehicle
- Activates the vehicle's rear sensor and camera to enhance the officer's range of vision
- Provides warnings cues, locks doors, flashes lights and more

*PIM A is not a standalone product; it must be combined with PIM B to activate the Officer Protection Package

PIM B Features

Twilight Mode

- Deactivates interior lights and chimes, and mutes the horn
- Turns off the center stack screen
- · Steering wheel activated

Wig-wag Lights

- Activates rapid alternating lights for front low beams and rear stop/turn lamps
- Highly visible function for catching attention

Pitch Black (Optional)

- Deactivates exterior lights, rear and brake
- Automatically disengages for safety when vehicle speed reaches between 5-20 mph (configurable)
- Perfect for covert surveillance and operations



CAN Data Availability



DATA	ACTIVE DATA	CONFIGURABLE OUTPUT	J1939 NETWORK
ABS Active		Χ	Х
Acceleration Rate		Χ	
Air Conditioner Button Active		Χ	
Air Conditioner Compressor		Χ	Χ
Airbag Light		Χ	
Alarm, Panic		Χ	
Battery Percentage		Χ	
Battery Voltage		Χ	
Beams, High		Χ	X
Beams, Low		X	Χ
Brake, Parking		Χ	Х
Brake, Service		X	Χ
Door Lock Status		X	X
Door Status, Driver		X	X
Door Status, Passenger		X	X
Door Status, Rear Driver		X	X
Door Status, Rear Passenger		X	X
Door, Any		X	X
Door, Rear/Tailgate		X	X
Engine Load	Χ	Α	X
Engine Running		Χ	X
Fob Present		X	
Fuel Level		Χ	Χ
Horn Active	Χ	X	Χ
Horn Mute Active		Χ	
Idle Lock Active		X	
Key Position		Χ	Χ
Lamp, Malfunction Indicator		Χ	Χ
Lamp, Park		X	X
Lamps, Daytime Running		X	X
Light, Any		X	
Light, Cargo Lights, Hazard		X	Χ
Lights, Hazard Latched		X	۸
Mass Air Flow	Х	٨	Х
IVIGSS All I IUW	^		۸

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(continued)

CAN Data Availability (continued)



DATA	ACTIVE DATA	CONFIGURABLE OUTPUT	J1939 NETWORK
Odometer			Х
PCM Emission DTCs count	Χ		Χ
Pedal, Accelerator Position		Χ	X
Pedal, Brake Position %		Χ	
Pressure, Barometric	Χ		X
Pressure, Intake Air	Χ		X
Radio Muted		X	
Seat Belt, Driver		Χ	
Seat Belt, Passenger		X	
Sensor, Daylight		Χ	
Speed, Engine		X	X
Speed, Vehicle		Χ	X
Steering Wheel Angle		X	
Switch, Cruise Control		Χ	
Switch, Cruise Control -		X	
Switch, Cruise Control +		Χ	
Switch, Cruise Control Cancel		X	
Switch, Cruise Control Resume		Χ	
Switch, Dimmer		X	
Switch, Horn	Χ	Χ	X
Switch, HVAC Fan Speed		X	
Temperature, Ambient Air		Χ	X
Temperature, Engine Coolant	Χ	X	Χ
Temperature, Engine Oil	Χ		X
Temperature, Intake Air	Χ		Χ
Temperature, Transmission Oil		Χ	X
Throttle Position	Χ		Χ
Transmission Range		Χ	X
Turn Signal, Left		X	Χ
Turn Signal, Right		X	X
Turn, Left Latched		Χ	
Turn, Right Latched		X	
VIN			Χ
Wheel Drive		X	
Wiper Status, Front		X	

