



A division of Radiotronics, Inc.

Model HP-5010



Owners Manual

Operating Instructions



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Introduction

The Hot-N-Pop® Pro is a state of the art product designed and developed by the AceK9.com™ division of Radiotronics, Inc. It is a unique blend of positive features taken from actual field use of our K9 Heat Alarm® and K9 Door Popper® plus the incorporation of a microprocessor control system.

Standard Monitoring Features: The K9 Hot-N-Pop® Pro monitors the vehicle's interior Temperature and Battery Voltage. When the Alarm sounds, The Handler will be alerted by honking the Horn, rolling down both rear Windows*, activating Emergency Lights, and Siren.

Additional options are Available

- ✓ Temperature Sensor Averaging – to reduce false alarms.
- ✓ Exclusive S.O.S Horn Honk™.
- ✓ Non-Volatile Memory – Temperature and other settings are maintained in memory when power is disconnected.
- ✓ Dual Window Drop. **Rear windows do not drop in cold alarm*
- ✓ Menu allows you to adjust settings to your needs.
- ✓ Temperature Sensors Monitor – Warns of damaged sensor and sets off Alarm if both Temperature Sensors are damaged. **Optional Monitoring features:**
 - E.S.M. Engine Stall Monitor™ – Alerts of Engine Stall BEFORE the vehicle's interior gets too hot or cold.
 - No K9 Left Behind - K9 removal reminder system
 - Smoke Detector
 - Carbon monoxide detector

Door Popper features: The K9 Door Popper® will enable you to release your canine to your aid when you are away from your vehicle.

- ✓ K9 Door Popper® Safety feature– When pressed for a second the door release Remote Unlocks and then Pops Open the Door.
- ✓ Door Popper Stopper™ – Extremely important Safety Feature that prevents the Door from opening when the vehicle is in motion.
- ✓ A Gas Spring – Quickly opens and holds the Door to allow the canine an unobstructed release.
- ✓ External Antenna – Enables long range reliability.
- ✓ Door Popper “On By Arming” Feature

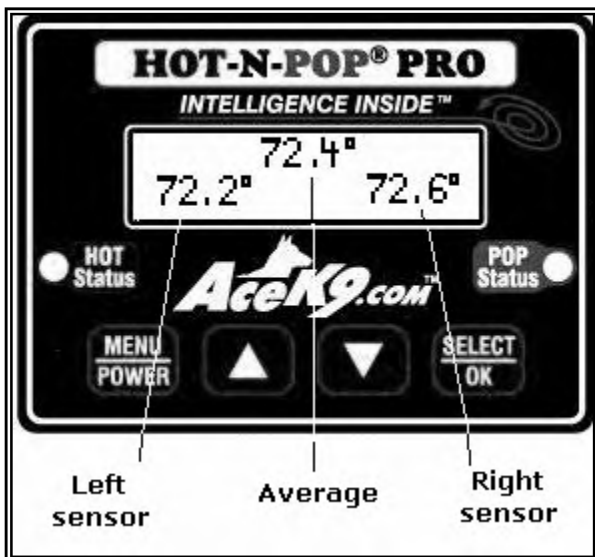
Overview

Factory Default settings are based on the most commonly requested settings selected by K9 handlers. However you can customize them to your needs. See menu choices section.

Defaults

Hot-N-Pop® Pro Power:	On/Off with vehicle.
Door Popper Power:	On/Off with vehicle.
Hot Set Point:	90°
Cold Set Point:	Disabled
Stall Sensor	Enabled (Disable if not purchased)
Auto Snooze Mode:	Enabled
USA or Metric	Fahrenheit
Temperature Averaging	Enabled

Dual Temperature Sensor Averaging™: The individual temperature sensor readings are displayed along with the average temperature. This enables the Hot-N-Pop® Pro to obtain a much more accurate reading of the vehicles interior temperature. With averaging enabled, unnecessary false alarms are avoided when one of the temperature sSensors is in a warmer location. (Example: direct sunlight or open window). In order to activate the alarm, the AVERAGED (center) temperature sensor readings must reach the alarm threshold setting (90° Hot Default). As an additional safety measure the heat alarm is activated if either temperature sensors reading goes 10 degrees above the threshold setting.



Disable Temperature averaging if monitoring two separated locations. To change see the Menu choices section.

Operation

IMPORTANT safety reminder: It is the responsibility of the Installer and the Handler to confirm that all safety features are installed and working properly at the time of installation.

Setting are customizable to your working environment.
See changing settings section if manual.

Heat Alarm Power: The Heat alarm will turn on with the ignition. When the ignition is powered off the heat alarm will power down. This requires you to leave the vehicle running with the air conditioner ON to maintain a safe environment for the canine, and remove the K9 if the vehicle is off.

Alternative settings

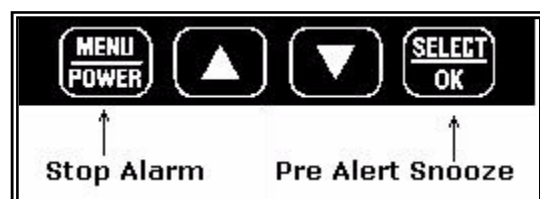
If your environment allows for the canine to be left in the vehicle with the ignition off, The setting should be changed to ON/Off manually, On with Car and OFF manually, or No K9 Left Behind (optional hardware required).

Door Popper Power: The Door Popper will turn on and off with the ignition. To enable door popper with vehicle off use Alternative setting "On with vehicle and OFF manually" or On By Arming are available.

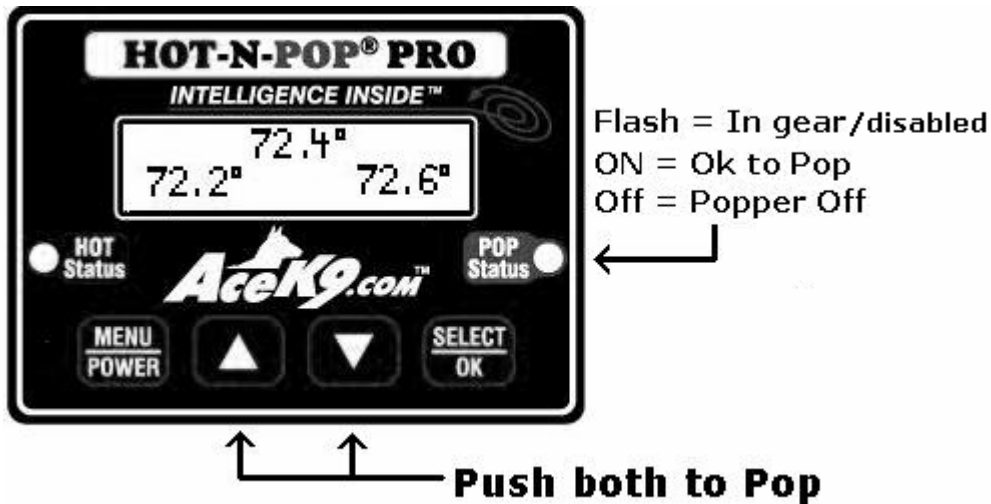
Standard Operation: The Left, average, and right Temperatures are displayed in the primary screen; the Vehicle's Battery Voltage is displayed periodically. When the Hot-N-Pop® Pro has detected safe conditions the HOT status light will illuminate, indicating that temperature is being monitored. The POP Status Light will illuminate indicating that the door popper is ok to pop.

Snooze Mode: At start up, Snooze Mode will automatically appear if there is an over temperature or another condition that requires attention. A Snooze period of approximately 10 minutes allows time to get the vehicle running and cooled down for the safety of your K9. When the Hot-N-Pop® Pro does not detect a safe condition at the end of the snooze period the Pre Alert alarm will activate. Snooze can be manually reactivated (By pressing OK). Only 3 snooze periods are allowed.

Note: During Snooze, the Handler is responsible to monitor the conditions of the canine.



K9 Door Popper®



Activate the K9 Door Popper® by pressing the button on the Remote Control Transmitter, or from the Hot-N-Pop® Pro Control Head by pressing BOTH the ▲ and ▼ keys simultaneously. When the door popper is activated the door being popped is unlocked, followed by the latch releasing to open the door. Note the latch is released 2 times in case of obstruction to the door or latch. *Note: if on by arming is selected* pressing the [OK] Button Arms the door popper until the vehicle is put in gear again.

Popper Remote

Always place the Remote Control Transmitter in a safe and accessible location it is very small and easy to wear on a belt or conceal in another location.

Battery Replacement P# GL22-23A

Remember to replace the Door Popper Remote Transmitter Battery if you notice a decrease in range while conducting the weekly test. To replace the battery remove the Phillips screw on the back of the remote. A replacement Battery can be located at your local electronic store or by ordering one from AceK9.com.

Alarm Modes

Pre-Alert Mode. During Pre-Alert a description of the unsafe condition will Display, along with flashing light and warning tone for 40 seconds. This allows the K9 Handler to put the unit into Snooze Mode or turn Off the K9 Heat Alarm® Feature before the Full Alarm is activated.

“FULL ALARM” Mode During full alarm all installed Alert Features are activated. The Hot-N-Pop® Pro will continue the Full Alert Alarm Mode until the temperature or other condition in the vehicle returns to a safe condition or until the [MENU] key is pressed. If a safe condition is detected by the system; the Full Alert Alarm Stops and the Display shows a Reminder Note to advise the K9 Handler that an alarm has occurred.

Clearing reminder: To clear the Alarm Reminder, Press [OK] while the reminder is being displayed. **Reminders will also clear when the unit is restarted.**

Temperature Alarm: When an averaged temperature that is above hot set point or below a selected Cold Set Point is sensed Hot-N-Pop® Pro goes into Pre Alert. If no action is taken and it remains so the unit will go into full alarm.

Engine Stall Monitor™Option (Purchased separately): With the stall sensor option installed and enabled in software, the Hot-N-Pop® Pro will monitor the engine. When the engine stalls “Engine Stalled/Pre-Alert Mode” is displayed allowing the K9 Handler to Restart the Engine or Snooze. If no action is taken the Full Alarm is activated.

Vehicle Battery Sentinel™: The vehicle’s Battery is monitored and the Voltage is periodically displayed. The Battery Sentinel sets the alarm off before the battery dies. Battery Voltage below 10.5 Volts (default) will display a warning and the unit enters Low Voltage mode. The Full Alarm is activated for a short period of time lowering rear Windows providing ventilation for the K9. The Alarm will activate again every few minutes as long as there is enough battery power.

Temperature Sensors Diagnostics: The Temperature Sensors are continuously monitored; if one of the Sensors is damaged or a connection is lost, the Hot-N-Pop Pro will automatically disable Averaging and utilize the working sensor. Periodically a warning message and beep will occur to notify the handler. If both Temperature Sensors are damaged, the warning message is Displayed, Pre alert starts, followed by Full Alarm activating.

Alarm Modes continued

Self Diagnostics: The Hot-N-Pop Pro continuously monitors its internal systems. If a detectable problem exists that would prevent the system from operating properly the system will go into Full Alarm mode.

***** It is important to remember that, while every effort to monitor the system is taken, there is no substitute for doing the Weekly tests outlined in this manual. *****

Changing Settings



Light Intensity adjustment.

The light intensity is controlled by using the arrow keys. The lights automatically dim, when the vehicle's ignition is turned OFF (press the OK key to return it to the original intensity).

Menu Mode: To enter menu mode, power up the Hot-N-Pop® Pro, then press the [MENU/POWER] key. To view Menu items Press the [Down] key for the next item or the [UP] key for the previous item. To change a Menu item press the [OK] key. The [DOWN] and [UP] Keys let you scroll through the available settings. To choose a setting, press the [OK] key. To exit without making changes press the [MENU] key. In Menu additional changes can be made or exit the menu by pressing the [MENU] key again. When returning from the Menu Mode, the system will enter into the selected operating configuration.

Menu Choices

Door Popper Power

Default setting is "On/Off with CAR", Turning on and off with ignition (Traditionally the key)

Alternative Setting: "Off" all the time.

*Alternative Setting: "On/Off Manually"" so that even if the vehicle is not on the Door can be popped to let the canine out.**

*Alternative Setting: "On By Arming" This feature Arms the door popper by pressing the [OK] Button. The door popper will arm when the vehicle is put in park. See the On By Arming Supplement for details.**

** When in these modes turn off door popper manually to prevent battery drain.*

Heat Alarm Power

Default setting is "On/Off with Car" This will turn the Heat Alarm ON & OFF with vehicles ignition, most commonly the Engine and A/C are usually left ON to maintain the vehicle's interior temperature. Remove the K9 if the vehicle is off.

Alternative Setting "Car on Manual off" The Heat Alarm will turn ON with ignition and OFF by Keypad. This is the safest method. The unit will automatically turn ON with the vehicle but will only turn OFF when you depress and hold the menu key.

Alternative Setting "On/Off Manually" The Heat Alarm will only turn ON or OFF with Keypad.

Alternative Setting "Off all the Time" The Heat Alarm feature is disabled requires re-enabling through the Heat Alarm Power Menu.

Alternative Setting "No K9 left behind" the Heat alarm will turn on with ignition and off when ignition power is off and the Door is opened to remove the K9. See user supplement sent with this option

(Sold separately)

"Heat Alarm Temp" Hot Set Point

Default setting is 90° to activate the Heat Alarm but can be adjusted from 77° to 95° as your needs require.(24°C to 32°C)

"Cold Alarm Temp" Cold Set Point

Default setting "disabled". The cold Alarm but can be set between 10° to 58° as your needs require.(-12°C to 12°C)

Stall Monitor *Default setting is "Enabled". When an optional stall sensor is not purchased this feature should be disabled.*

Temperature Averaging *Default setting is "enabled" so the Temperatures of the Dual Temperature Sensors are AVERAGED thus reducing false alarms.*

Alternative Setting: Disabled This setting would be used if monitoring two separate locations in one vehicle (example on K9 in the bed of a pickup, and one in passenger compartment)

Menu choices continued

Auto Snooze Mode *Default setting is "enabled"*. Auto Snooze Mode temporarily disables the Heat Alarm to allow time for the vehicle to cool down during start up.

Alternative Setting: Disabled

USA or Metric *Default setting is Fahrenheit (USA)*

Alternative Setting is Celsius

Previous Alarms Displays the five previous causes of the Alarms.

Serial Numbers Displays the Serial Numbers of the Control Head and the IntelaBox. See Additional information in back of manual.

Reset to Default Resets all features to their respective Factory Default settings.

System Test Pressing [OK] will begin a System Full Alert Test activating the window drop, SOS Horn, Lights, and Siren. Accessories such as Pager, K9 Cellular Communicator™, fan, and Radio Voice Module will also activate. Followed by a Pixel test, that will fill all the pixels in the display, both top and bottom. Ending with a Push button test will allow testing of each of the Menu Keys. If any of these tests fail contact you installer or AceK9.com for further assistance.

Testing of Add on Options

See the test procedure outlined in the options manual.

Popular add on Options

- Stall Sensor
- No K9 left behind
- Fan Kit
- Pager Module
- Cellular communicator

Visit www.AceK9.com for more options available.

AceK9.com Two (2) Year Limited Warranty

For details visit <http://www.AceK9.com/Warranty>

Weekly System Test Procedure for Hot-N-Pop® Pro

K9 should not be in the vehicle during these Tests.

Turn the system on, Observe the Feature Settings during power up, Check the Temperatures and Vehicle's Battery Voltage.

K9 Heat Alarm Output Tests

Confirm that the Displayed Temperatures are below the Heat Alarm Hot Set Point and the System is not in Snooze Mode. Press the MENU key to enter menu mode. Move down to the menu choice "System Test", Press OK to activate all the installed Heat Alarm Alert options. Verify that ALL the installed Heat Alarm Alert accessories and options worked.

Temperature Sensors Test

Turn the Vehicle's Climate Control to the Heat position to manually raise the temperature inside the vehicle. Monitor the temperatures displayed on the heat alarm and confirm that the alarm activates when the Hot Set Point is reached. Visually inspect the wiring and electronic components and confirm that the location of the Temperature Sensors is just outside the K9 container and not in direct sunlight.

K9 Door Popper Tests

Put the Vehicle in PARK and Confirm that the Door Popper Status Light is ON, this indicates that Door Popper is READY. Put the Vehicle in REVERSE and through ALL the DRIVE Gears and Confirm that the Door Popper Status Light FLASHES, this indicates that Door Popper is DISABLED. Lock Doors. Now press the UP and DOWN keys simultaneously -or- press the button on the Remote and the Door should NOT Pop. Put the Vehicle IN PARK, Press BOTH the UP and DOWN keys simultaneously -or- Press the button on the Remote and the Door should pop.

IF THE ABOVE TEST FAILS – TURN OFF Door Popper until system is repaired and all tests pass! Test Door Popper Remote at a distance of 200 to 500 feet to confirm Remote's range. Visually inspect the Gas Shock mounts and confirm they are not binding and that the door fully opens.



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