



1stRadarDetectors

PO Box 549
Niwot, CO, USA 80544

TLP, Blinder, Bel, Escort, Valentine

Tel 303-678-9101 Cel: 720-635-3931
Fax 303-678-9103 Cel: 720-298-0557
Email F.John.Turner@1stRadarDetectors.com
Web www.1stRadarDetectors.com

Best in Test
Radar, Laser & Photo
Countermeasures

Valentine One Distronic Plus V1D221 Interface for 2007- 2008 Mercedes S & CL Class, SL600

The V1D221 Distronic Interface product works by utilizing the vehicle CAN network to both send and receive data that allows the Valentine One radar detector to function while still maintaining usage of the parking sensors and Distronic features. The Distronic Plus system functions using several K-Band radar distance measurement units to allow the vehicle to sense when other vehicles or obstructions are nearby. Additionally the same radar units are used for the Park-Assist feature that provides proximity warning when parking and backing up. The V1D221 Interface functions by selectively enabling and disabling the Valentine One detector as well as the Distronic sensors at different times to allow both to work in conjunction with each other. Additionally the V1D221 module provides a display of warnings on the instrument cluster when the Valentine One unit has an alert event eliminating the need to cut or drill warning LED's into the vehicle. **When the Valentine One radar detector is turned on, the Mercedes S and CL Cruise Control and Proximity Alerts are disabled. If you desire Cruise Control to work during Valentine 1 operation, purchase the V1 Remote and V1D221K Distronic interface. V1D221 is for Mercedes S and CL Class, SL600 with Distronic Plus option (Park Assist and Proximity Alerts) installed in the Mercedes.**

Operation

The basic operation of the V1D221 interface is as follows: The interface module is activated when the Valentine One unit is turned on using the remote knob. The interface unit displays alert messages transposed over the 'audio' messages on the driver instrument cluster. Therefore the instrument cluster display must be set to 'Audio' mode for the messages to be visible. This is done by pressing the left/right steering wheel buttons until 'Audio' is displayed. When the detector is powered on via the remote control the message 'Valentine One' is displayed after approximately 5 seconds. The Valentine One detector is controlled based on the vehicle speed: Below approximately 27 mph the Radar Sensors are enabled and the Valentine One remote audio speaker is muted. Above 27 mph the Radar Sensors are switched off, Distronic cruise is disabled, and the speaker is switched on. The instrument cluster will also display a message 'Radar On' to indicate that the Radar Detector is now active and alert messages will now be displayed. If the detector has an alert event the speaker will play the audible warning (unless muting is selected) and an appropriate message will display on the instrument cluster: 'ALERT', 'Front', 'Rear', or 'Side', 'X', 'K', 'Ka', or 'Laser', and a signal strength reading. **If the Valentine One Detector is turned off, the V1 alerts will not display and the Distronic Plus Cruise will be fully functional.**

Installation

Installation requires the following parts:

1. V1D221 module (included in the kit)
2. V1D221 harness (included in the kit)
3. Valentine One Detector (not included in the V1D221 kit)
4. Valentine 1 Remote Audio/Control Knob (**REQUIRED**, but not included in V1D221, [order in 1stRD Accessories](#))
5. Valentine 1 Power Block (not included in V1D221) power block is part of Valentine 1 original package



Rated #1, 360° High Performance, PRS1-STiR-360™ Prowler Remote™ System

PROWLER Remote, PRS1-STiR-360, PRS1-V-360, PRS2-V, PRS2-STiR, PRS3-V, PRS4-V, PRS4-STi, Got Performance are trademarks of 1stRadarDetectors. All rights reserved. Copyright 1999-2009.

Got Performance™



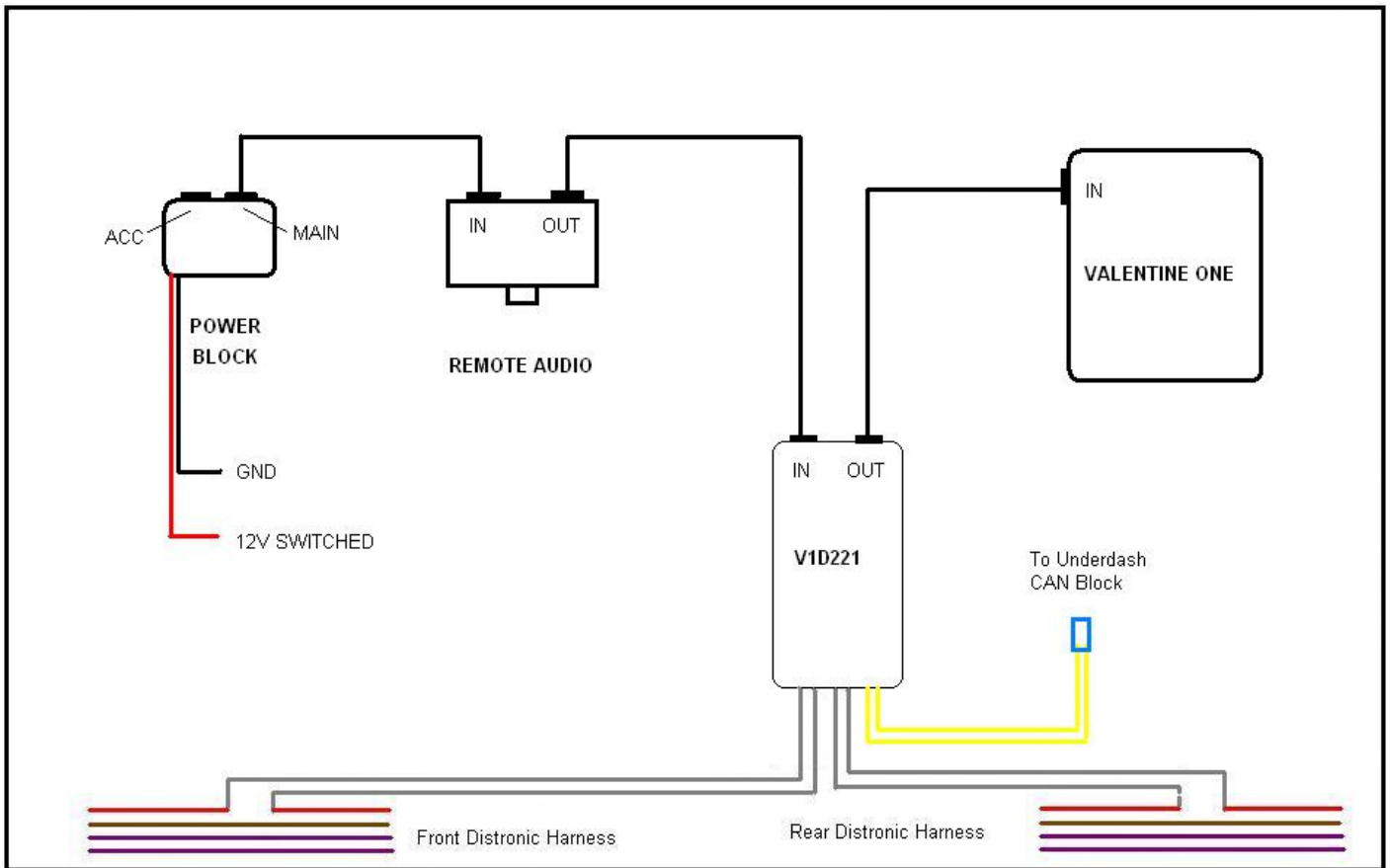
1stRadarDetectors

PO Box 549
Niwot, CO, USA 80544

TLP, Blinder, Bel, Escort, Valentine

Tel 303-678-9101 Cel: 720-635-3931
Fax 303-678-9103 Cel: 720-298-0557
Email F.John.Turner@1stRadarDetectors.com
Web www.1stRadarDetectors.com

Best in Test
Radar, Laser & Photo
Countermeasures



System Installation Diagram

The installation is quite simple. The Valentine 1 hard wire power block provides power for the detector, remote audio, and interface module. Connect the Black wire to a solid ground and the red wire to switched 12V. This can be found at the cigarette plug or at the front fuse panel. All components connect using the standard phone jack cables identical to the ones provided with your valentine detector and accessories. Connect from the Main out on the power block to the Power In on the remote audio controller. Then connect from the Power Out to the IN on the V1D221. Finally connect from OUT on the V1D221 to the Valentine One Detector. The Two sets of grey pairs are the Distronic sensor array interrupt wires. One pair will be run to the front passenger fender and the other will be run to the passenger side of the trunk.



Rated #1, 360° High Performance, PRS1-STiR-360™ Prowler Remote™ System

PROWLER Remote, PRS1-STiR-360, PRS1-V-360, PRS2-V, PRS2-STiR, PRS3-V, PRS4-V, PRS4-STi. Got Performance are trademarks of 1stRadarDetectors. All rights reserved. Copyright 1999-2009.

Got Performance™



1stRadarDetectors
 PO Box 549
 Niwot, CO, USA 80544

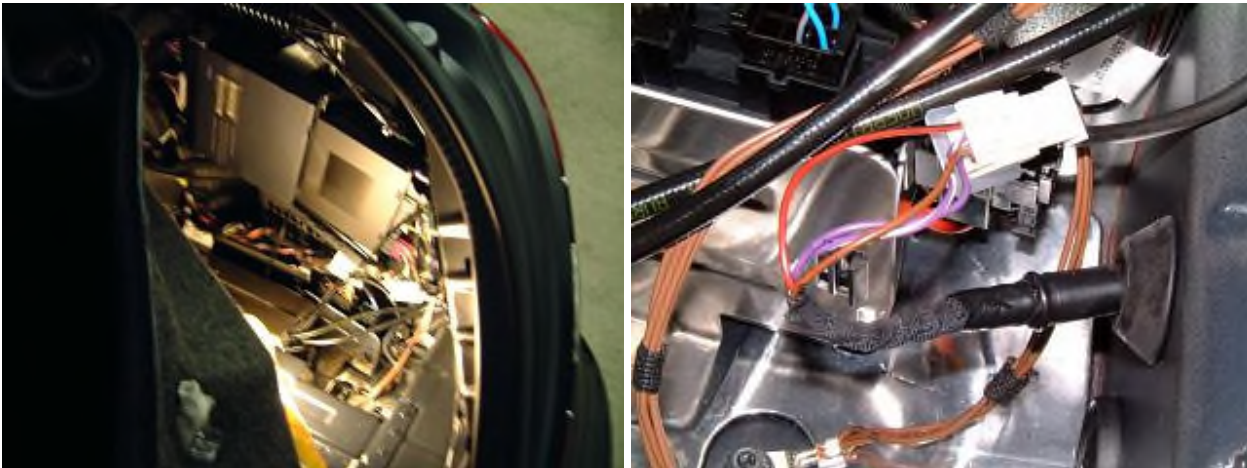
TLP, Blinder, Bel, Escort, Valentine
 Tel 303-678-9101 Cel: 720-635-3931
 Fax 303-678-9103 Cel: 720-298-0557
 Email F.John.Turner@1stRadarDetectors.com
 Web www.1stRadarDetectors.com

Best in Test
 Radar, Laser & Photo
 Countermeasures



Front Wheel Well DISTRONIC Harness Location

The front DISTRONIC interrupt is run forward into the engine compartment and over to the passenger wheel well. The connection is made at the DISTRONIC harness located just behind the forward half of the wheel well cover. The ideal routing is to open the engine electronics cover located at the driver side nearest the windshield by unscrewing the 5 torque screws. The wires can then be run out into the engine compartment as the compartment is open to the driver under dash. Run the wires up into the compartment and through the existing grommet, then along the inside grille and finally into the wheel well area. (Note that the front radar receiver and diffuser can be run along the same path and at the same time). Twist the connector 45 degrees to dismount it. The connector will have four wires: brown, red, purple, purple/white. Separate out the red wire. Cut the red wire and attach one gray lead to each side (polarity does not matter). Solder and tape and remount the connector.



Trunk Rear DISTRONIC Harness Location



Blinder M25 & M45 Laser Jammer





Bel STi DRIVER



Valentine One, V1 Remote



Escort Passport 9500ix

Rated #1, 360° High Performance, PRS1-STiR-360™ Prowler Remote™ System

PROWLER Remote, PRS1-STiR-360, PRS1-V-360, PRS2-V, PRS2-STiR, PRS3-V, PRS4-V, PRS4-STi, Got Performance are trademarks of 1stRadarDetectors. All rights reserved. Copyright 1999-2009.

Got Performance™



1stRadarDetectors

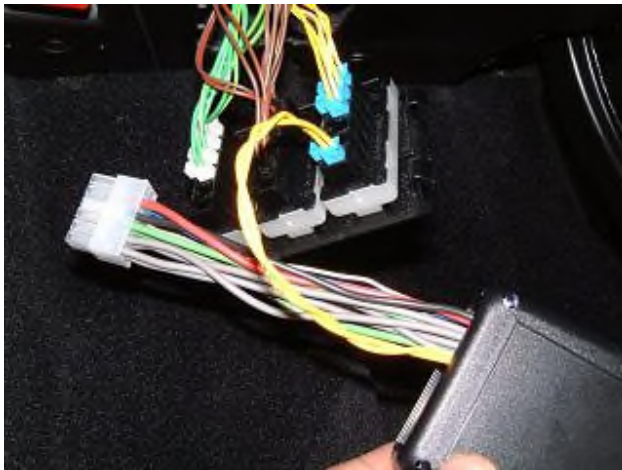
PO Box 549
Niwot, CO, USA 80544

TLP, Blinder, Bel, Escort, Valentine

Tel 303-678-9101 Cel: 720-635-3931
Fax 303-678-9103 Cel: 720-298-0557
Email F.John.Turner@1stRadarDetectors.com
Web www.1stRadarDetectors.com

Best in Test
Radar, Laser & Photo
Countermeasures

The rear Distronic interrupt is run and connected as the front lead: First pull up the sill plates and run the lead under the carpet to the rear of the vehicle. Route the lead into the trunk area (this may require first removing the rear seat and trunk cover panels). Route the lead to the rearmost passenger side in the trunk. The Distronic harness will enter into the trunk area through a rubber grommet and is attached to a metal bracket. Twist 45 degrees to dismount. The connector will have four wires: brown, red, purple, purple/white. Separate out the red wire. Cut the red wire and attach one gray lead to each side (polarity does not matter). Solder and tape and remount the connector.



Under Dash CANBUS Connection

Locate the CAN distributor block attached to the driver under dash panel. The CAN Distributor is located on the top side of the under dash panel and is visible once the panel is unscrewed and pulled down. There are three blocks side by side with each block having 6 sockets. Each block is different and is identified by the wire colors running to them (green, brown, and yellow). Plug the 2 wire CAN connector into any free position in the block with the yellow wires.

V1D221, V1D221K and V1C221 are trademarks of Mid City Engineering, Inc.
Valentine One is a trademark of Valentine Research.



Blinder M25 & M45 Laser Jammer

Bel STi DRIVER

Valentine One, V1 Remote

Escort Passport 9500ix

Rated #1, 360° High Performance, PRS1-STiR-360™ Prowler Remote™ System

PROWLER Remote, PRS1-STiR-360, PRS1-V-360, PRS2-V, PRS2-STiR, PRS3-V, PRS4-V, PRS4-STi, Got Performance are trademarks of 1stRadarDetectors. All rights reserved. Copyright 1999-2009.

Got Performance™