



INSTALLATION INSTRUCTIONS

2 CHANNEL PYROMETER

EGT's/Cylinder Head Temp
MODELS 4366, 4368, 4466, 4468, 5466, 5468, 5766



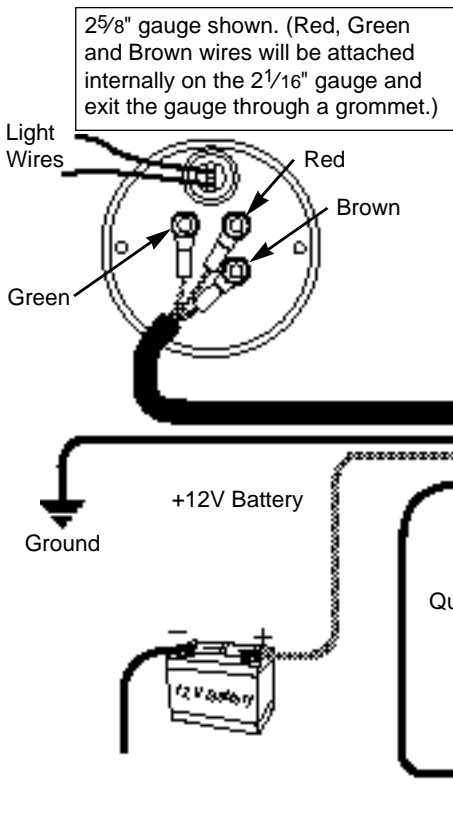
Operation

Both channels are continuously monitored for peaks and alarm conditions, regardless of channel being displayed. Peaks and alarms are then saved in memory so they can be viewed even after the unit is powered OFF and back ON.

Installation

1. Disconnect the negative (-) battery cable.
2. The 2⁵/₈" gauges may be mounted in 2⁵/₈" dia in dash hole. The 2¹/₁₆" gauge may be mounted in a 2¹/₁₆" dia. in-dash hole. Secure gauge with mounting brackets supplied.
3. Connect one light wire to dash lighting circuit or to any 12 volt source. Connect second light wire to ground.
4. Determine temperature module mounting location, preferably on inside of firewall (passenger compartment) protected from dirt and liquids. Check that the meter harness and thermocouple (temperature probe) wires reach the module. If mounting with screws, drill holes for screws provided.
5. Pass thermocouple wires through existing hole in firewall or drill 9/32" dia. hole and use provided grommet to protect wires.
6. Locate good chassis ground near temperature module. Using 18 gauge wire (preferably black) with lug terminal, secure it to ground.
7. Connect all wires to terminal block on temperature module and locate a 1 Amp fused terminal on fuse panel to supply 12V power to module.
8. Using pre-drilled holes, mount module to pre-selected location.
9. Use wire ties to hold wires together in vehicle.
10. Reconnect negative (-) battery cable.

Pyrometer



Thermocouples (See thermocouples instruction for more details)
Channel #2 Channel #1



Temperature Module

Terminal Connections

ID	WIRE
1	Yellow Wire (Thermocouple Channel #1)
2	Red Wire (Thermocouple Channel #1)
3	Yellow Wire (Thermocouple Channel #2)
4	Red Wire (Thermocouple Channel #2)
5	NOT USED
6	Green (Pyrometer)
7	Red (Pyrometer)
8	Brown (Pyrometer)
9	Ground
10	+12V (Battery)
11	Negative (Optional Quick-Lite Hook-up)
12	Positive (Optional Quick-Lite Hook-up)

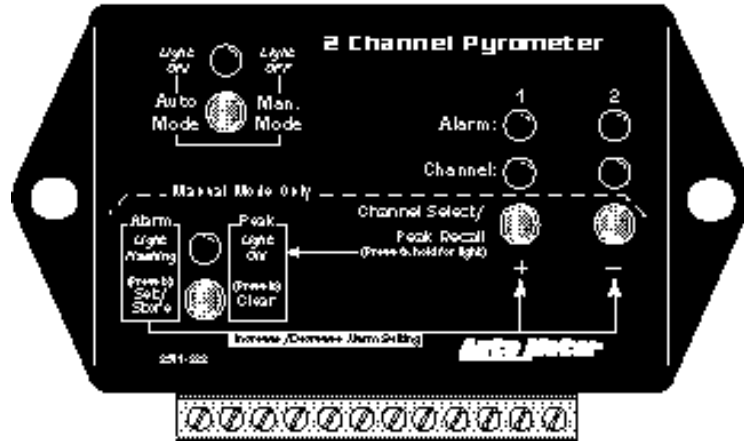
WARNING

Use ONLY Quick-Lite models no. 5330, black and 5331, silver. Pro-Lites exceed the current rating of the 2 channel pyrometer and *can not* be used. Improper hook-up can cause permanent damage to the pyrometer, thus voiding the warranty.

Tech. Tips

1. To insure proper operation of the pyrometer, make sure the terminal strip is free from contaminant and is securely fastened.
2. It is best to connect the pyrometer directly to the battery protected by a 1 Amp fuse and switch.

NOTE: ID numbers on both the pyrometer and the temperature module must match in order to obtain accurate readings.



Operation

Display Mode

The pyrometer has two display modes, Manual and Automatic. The "Auto Mode" / "Man. Mode" button toggles between the modes.

To indicate the 2 Channel Pyrometer is in Manual Mode, the light above the "Auto/Man." button will be OFF. In this mode you can select the channel to be displayed with the channel select button.

To indicate the 2 Channel Pyrometer is in Auto Mode, the light above the "Auto/Man." button will be ON. The meter will display the higher of the two channels, you will not be able to manually change channels.



Channel Select

To select a channel you must first be in the Manual Mode (see "Display Mode"). Select the desired channel by pressing the "Channel Select/Peak Recall" button.



Alarms

Both channels are continuously monitored for alarm conditions regardless of channel being viewed. Alarm conditions for both channels are displayed at all times by the red lights. The alarm settings are initially set by Auto Meter to full scale. The peaks are saved after power down.

Set the alarms by first choosing the desired channel with the "Channel Select" button. Then press the Alarm "Set/Store" button. The Alarm light above the "Set/Store" button will flash. Use the "+" and "-" buttons to move the Pyrometers pointer to the desired setting. Press the "Set/Store" button again to store and exit the alarm set mode.



Peaks

Both channels are continuously monitored for peaks regardless of channel being viewed. Peak values are saved in memory so they can be viewed even after the unit is powered OFF and back ON. The peak values are saved at all times by both channels.

The peak values are displayed by pressing and holding the "Channel Select" button of the desired channel until the "Peak" light turns ON. To erase the peak value, press the "Peak Clear" button. To maintain the value and continue using the pyrometer, press either Channel Select button.

