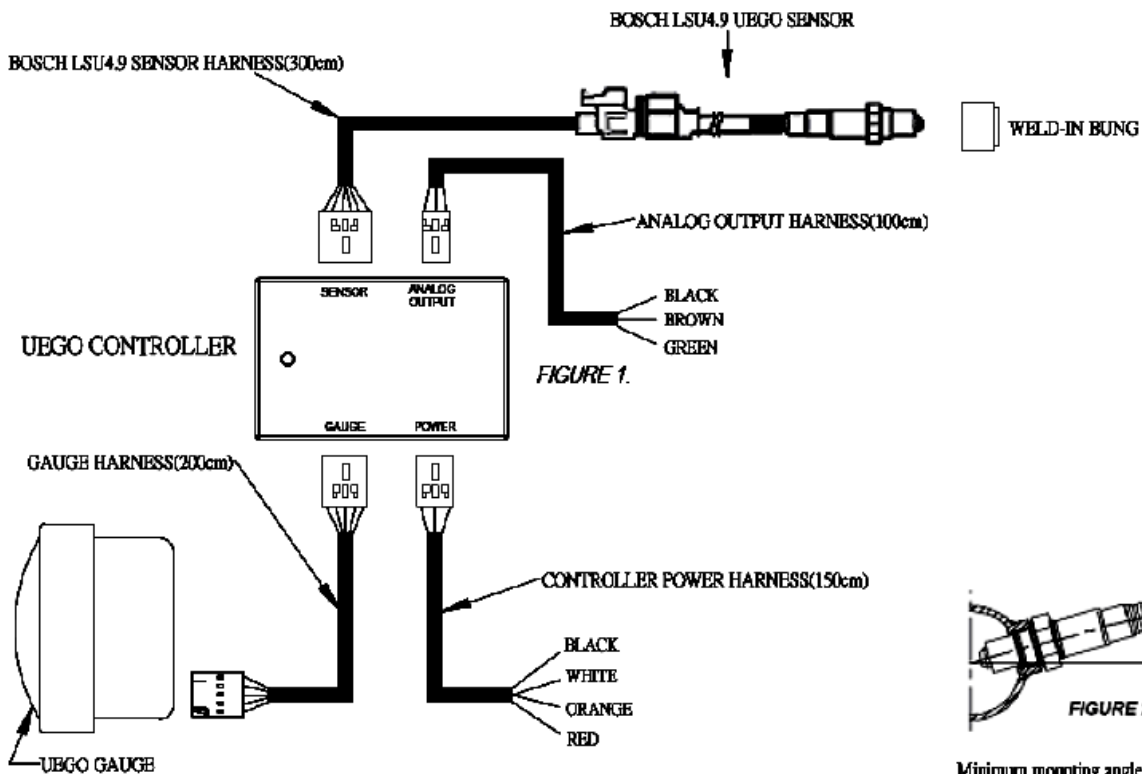


52mm/60mm REMOTE GAUGE SERIES

ANALOG WIDEBAND AIR/FUEL RATIO GAUGE

UEGO CONTROLLER INSTALLATION INSTRUCTIONS:

- RED - BATTERY (+)
- WHITE - 12V+ IGNITION SWITCH
- BLACK - ENGINE GROUND(-)
- ORANGE - CONNECT TO HEADLIGHT SWITCH 12V(+) .



A WELD-IN M18 X 1.5 BOSS IS SUPPLIED FOR SENSOR INSTALLATION. MOUNT THE O₂ SENSOR IN THE EXHAUST SYSTEM AT LEAST 18 INCHES DOWNSTREAM FROM THE EXHAUST PORT. IF YOU ANTICIPATE HIGH EGT'S (OVER 800C), RUN A TURBOCHARGER, RUN AT HIGH RPM FOR EXTENDED PERIODS OF TIME OR PLAN ON RUNNING LEADED RACE FUEL THEN YOU MUST MOUNT THE SENSOR AT LEAST 36 INCHES OR MORE DOWNSTREAM OF THE EXHAUST PORT AS ALL OF THESE CAN CAUSE THE SENSOR TO OVERHEAT. ON TURBOCHARGED ENGINES THE UEGO SENSOR MUST BE INSTALLED AFTER THE TURBO CHARGER, IF NOT, THE PRESSURE DIFFERENTIAL WILL GREATLY AFFECT THE ACCURACY OF THE UNIT. FOR ACCURATE READINGS, THE SENSOR MUST BE MOUNTED BEFORE CATALYTIC CONVERTERS AND/OR AUXILIARY AIR PUMPS. TO PREVENT COLLECTION OF LIQUIDS BETWEEN THE SENSOR HOUSING AND SENSOR ELEMENT DURING THE COLD START PHASE, THE INSTALLATION ANGLE SHOULD BE INCLINED AT LEAST 10° FROM HORIZONTAL WITH THE ELECTRICAL CONNECTION UPWARDS, SEE BELOW (FIGURE 2)

VOLT	LAMBDA	GASOLINE AFR
0.00	0.683	10.00
0.16	0.705	10.32
0.31	0.725	10.62
0.47	0.747	10.94
0.62	0.768	11.24
0.78	0.790	11.56
0.94	0.811	11.8
1.09	0.832	12.18
1.25	0.854	12.50
1.40	0.874	12.80
1.56	0.896	13.12
1.72	0.918	13.44
1.87	0.939	13.74
2.03	0.960	14.06
2.18	0.981	14.36
2.34	1.003	14.68
2.50	1.025	15.00
2.65	1.045	15.30
2.81	1.067	15.62
2.96	1.087	15.92
3.12	1.109	16.24
3.28	1.130	16.54
3.43	1.152	16.86
3.59	1.173	17.18
3.74	1.194	17.48
3.90	1.216	17.80
4.06	1.236	18.10
4.21	1.258	18.42
4.37	1.280	18.74
4.52	1.301	19.04
4.68	1.322	19.36
4.84	1.343	19.66
4.99	1.356	19.98

1. CALIBRATION MODE:

PRESS THE BUTTON ON UEGO CONTROLLER FOR 3 SECONDS TO CALIBRATE THE CONTROLLER. WHEN THE NEEDLE LIGHT IS FLASHING, THE CONTROLLER IS CALIBRATING.

2. SENSOR ERROR DIAGNOSIS:

WHEN THE FACEPLATE BACKLIGHT AND THE NEEDLE LIGHT ARE FLASHING SIMULTANEOUSLY, IT IS A SENSOR ERROR SIGN. PLEASE CHECK IF THE SENSOR IS DISCONNECTED OR DEFECTIVE.

3. ORIGINAL MANUFACTURE SETTING MODE:

PRESS THE BUTTON ON UEGO CONTROLLER FOR 8 SECONDS TO OPERATE THE ORIGINAL MANUFACTURE SETTING OF THE CONTROLLER. THE NEEDLE LIGHT WILL FLASH FIRST. THEN THE FACEPLATE BACKLIGHT AND NEEDLE LIGHT WILL BE OFF SIMULTANEOUSLY. AFTER THEY ARE ALL OFF, THE ORIGINAL MANUFACTURE SETTING IS PROGRAMMED.

4. ANALOG OUTPUT WIRE HARNESS INSTRUCTION:

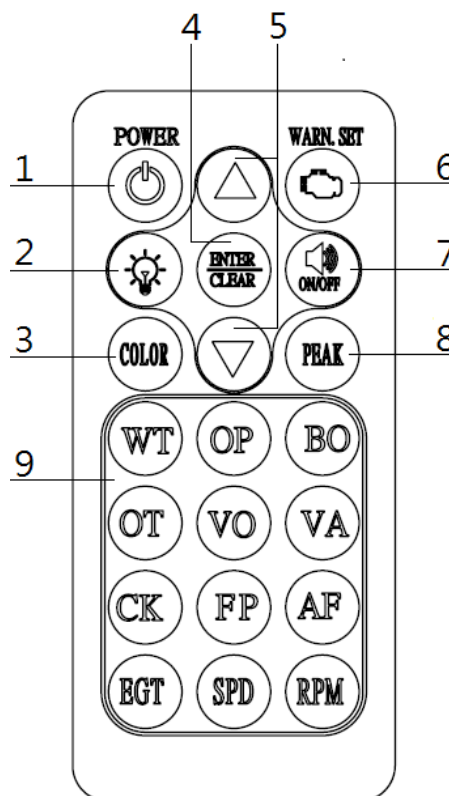
BLACK – ENGINE GROUND

BROWN – WIDEBAND ANALOG OUTPUT 0-5V (0V → 10AFR, 5V → 20AFR)

GREEN – NARROW BAND ANALOG OUTPUT 0-1V (0V → 20AFR, 1V → 10AFR)

REMOTE – CONTROLLER OPERATION INSTRUCTIONS

1. Sleeping Mode
2. Brightness setting
3. Backlight color select feature
4. Save setting /Clear peak value
5. Arrow keys
6. Warning value adjustable
7. Warning sound mute feature
8. Peak Recall setting
9. Functions collections



Instructions

Step 1

Choose the <AF BUTTON> at the functions collections area (9).

Step 2

Once complete the connection between the remote controller & the gauge, then could

continue the following settings.

(While the needle light start flashing it means the remote controller & the gauge have been linked)

A. Sleeping Mode

Press POWER (1) enter into the Sleeping mode, recover the gauge which is in the Sleeping mode, just need to press POWER (1) again.

B. Warning Value Setting

Press WARN.SET (6) for adjusting the warning value, in the meantime the warning light will be flashing, continue press ARROW KEYS (5) to set a suitable warning value, once done it, press ENTER(4) save the value and out of setting, otherwise, wait 7 secs without any operation and could continue other settings.

C .Brightness adjustable mode

Press the Brightness adjustable button to set the brightness. In the meantime, the angel ring will start flashing, press ARROW KEYS (5) for setting brighter or dimmer, once done it, Press ENTER (4) for save and out of setting, otherwise, wait 7 secs without any operation and could continue other settings.

D .Peak mode

Press PEAK (8) enter the peak value recall mode, the peak value can be displayed

E. For Clear Peak, Press PEAK (8) enter the peak value recall mode, in the meantime, the peak light is keep brightened, then press CLEAR (4) for clear peak, the peak light turn to flash. Once done it, which will automatically go out of the Peak mode.

F. LED color switch

Press COLOR (3) for change the backlight color. Total three colors: White, Blue and Amber is optional.

G. Sound could be turn on/turn off

Press ON/OFF(7) for setting the sound turned on/ turned off. One Beep sound for muting mode, Two Beep sound is Voice Mode.

setp3

Once done all of the settings, after 15 secs the gauge will leave out the link with the remote controller with any operation.

Note:

The remote-controller has to buy additionally.