



THERMO KING KIT

40-916

40-917

Subject: Thermometer, rear view **with 15 foot long sensor lead**

Benefits:

- **Eliminate driver anxiety** - Latest innovative method of monitoring load protection without having to remember the color and meaning of every light in a standard remote light indicator bar.
- Trailer temperatures **monitored from driver's seat.**
- **Available in two styles - forward view and rear view (reversed for reading in the rear view mirror).**
- **Easy to install.**
- **Engineered by Thermo King - for refrigeration units.**
- **Compatible - will not interfere with unit operation.**
- **Daytime Operation - visible in bright daylight.**
- **Photo optic sensor reduces brightness for night time operation.**
- Solid state design - completely sealed against the elements and no bulbs to replace.
- Comes standard with a bright finish stainless steel mounting bracket.

Units: Refrigeration units

NOTE: Kit contains the thermometer, stainless steel bracket, and mounting hardware. The thermometer is protected with a 1 amp fuse (41-1932).



40-916
Thermometer
Forward View



40-917
Thermometer
Rear View

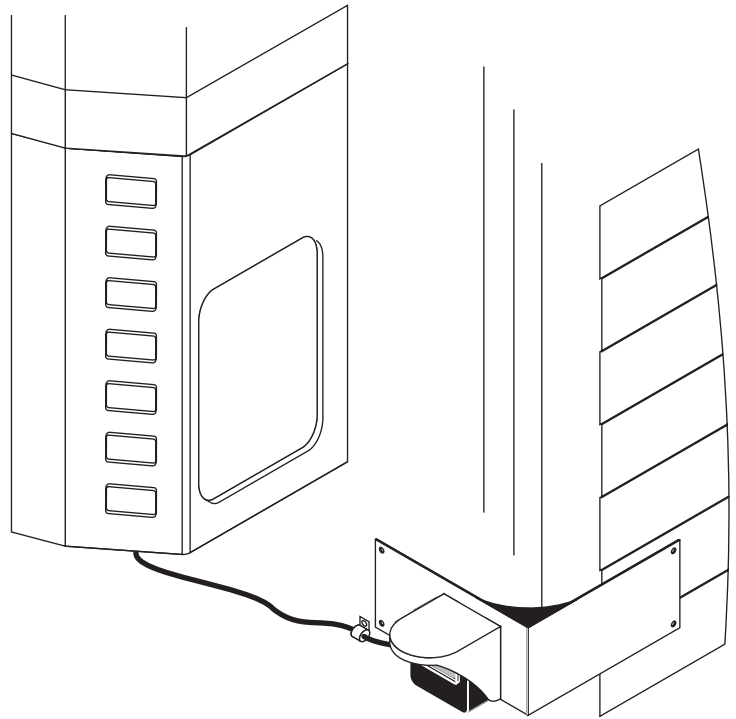
Mounting Instruction:

1. Hold the thermometer in position on trailer so lights can be seen in rear view mirror.
2. Mark four mounting hole locations.
3. Drill four holes for bracket mounting using a 9/64" drill.
4. Place the thermometer in position and mount using stainless steel screws (55-3555) and stainless steel flatwashers (55-2001).
5. Route the harness from the thermometer to the unit.
 - a. On a TK trailer unit, connect the ground wire to the grounding stud inside the control box and the Red wire to the 8 wire of the on/off switch. The temperature display be energized only when the unit is switched on.

or

 - b. Attach the Red wire to a 12 volt terminal. The temperature display will always be energized.
 - c. For Fahrenheit display, attach the Black wire to ground and tape off the White wire. For Celsius display, attach both the White and Black wires to ground.
6. Route the sensor cable into the trailer through a hole in the unit's bulkhead or drill a hole through the trailer wall or via the trailer drain tube. Secure the sensor near the return air sensor.
7. Beginning at the thermometer, clamp the wire harness and the sensor cable to the trailer wall using clamps (55-5294), screws and washers. Secure excess harness so it will not contact sharp edges or moving parts.
8. Operate the unit and assure proper display operation. Place unit in service.

NOTE: For opposite side installation, remove the thermometer mounting screws, rotate the Light 180 degrees and re-attach.



Unit wire	Thermometer
Code	Harness Code
Black	CH Ground
Red.	+ 12V
White	Cut off terminal and tape for Fahrenheit display, attach to ground for Celsius display

Troubleshooting Display Codes:

Display Code	Problem
(- - -) 3 Dashes	Failed sensor (circuit open)
() Blank	Failed sensor (circuit closed)
(H I)	High temperature 99 to 200F)
(5 4 3 2 1 0)	Temperature is over 200F (Count down, attempting to reset)
(C O -)	Temperature is below -40F

NSS	THERMOMETER	1
41-1932	●FUSE - 1 AMP	1
91-8733	●BRACKET - remote light	1
91-9274	●SUN VISOR	1
55-5640	SCREW HWHSM 10	11
55-2001	FLATWASHER	16
55-5294	CLAMP - harness	5
55-2330	BANDWRAP	8
55-396	LOCKWASHER int th	1
55-3941	SCREW - sheet metal	1