

7 WATT HEATER —ALL BRASS

W/8' 2-COND 22AWG CABLE

TEST ELEMENT W/MULTIMETER
ON OHMS

GREEN TO BLACK = 15-20
OHMS IS NORMAL

RED — TO THERMOSTAT

GREEN IF PROVIDED IS A
THERMOSTAT BY-PASS FOR
TEST PURPOSES

BLACK— HEATING ELEMENT

3/8"NPT-M FITTING

REQUIRES REDUCER
BUSHING TO FIT TANK

(B)

13 VOLTS

1 AMP

DC SUPPLY

120
VAC

(A)
THERMOSTAT
AREA

CONNECT HEATER (A) TO POWER SUPPLY (B) AS
SHOWN. USE ONLY THE POWER SUPPLY THAT
CAME WITH YOUR SYSTEM RATED 13VDC@ 1 AMP

NEVER SUBSTITUTE POWER SUPPLIES
THIS SUPPLY LIMITS CURRENT TO 1 AMP MAX

THESE TANK WARMERS BY DESIGN RUN WITH LOW
SURFACE TEMPERATURES NOT EXCEEDING 220F.
THEY HAVE THERMOSTATS WHICH PREVENT THEM
FROM OPERATING UNLESS THEY HAVE BEEN AT
40F OR COLDER FOR SEVERAL MINUTES. IT THEN
TAKES 15-20 MINUTES TO COME TO OPERATING
TEMPERATURE.

TESTING: YOU CAN WRAP A FREEZER PACK
AROUND THE UPPER STEM TO CLOSE THE
THERMOSTAT. AFTER 10-15 MINUTES, THE
LOWER STEM WILL BEGIN TO HEAT UP. IT WILL
TAKE SEVERAL MINUTES TO COME TO MAXIMUM
OPERATING TEMPERATURE.

40"
HEATER AREA

NATIONAL MAGNETIC SENSORS, INC.

P/N 80083

TITLE LOW VOLTAGE TANK HEATER

A DATE 03/07/07

REV A 80083.VLM