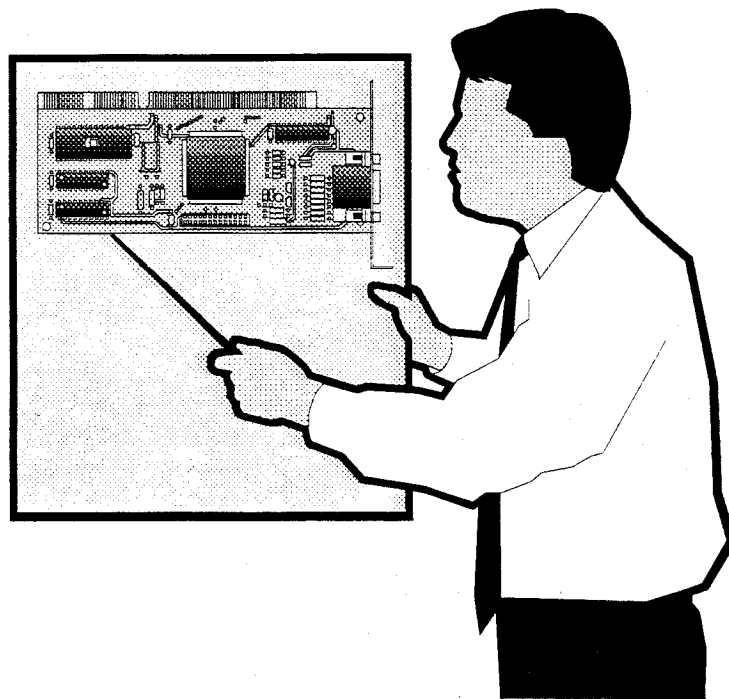# SYSTEM VII.

## *INTERROGATOR MODULE ADDENDUM*

# ROLLINS PROTECTIVE SERVICES

*December 28, 1995*

## SYSTEM VII INTERROGATOR MODULE
## INSTALLATION AND PROGRAMMING ADDENDUM

Note: This addendum was designed to assist you, the technical staff, in proper installation of the Interrogator Module. This document does not take the place of the Installation Manual sent with the System VII Technical Manual to each branch.

1. INSTALLATION.

Figure 1. of this booklet shows the major components of the Interrogator Module.

Figure 2. of this booklet shows the wiring of the Interrogator Module to System VII MCU. It is recommended that you connect and program the Interrogator Module before installing the assembly. By using proper wiring techniques, you can avoid after installation problems.

2. PROGRAMMING.

The Interrogator Module can be programmed with a Touch Tone telephone or Lineman's Handset. If you use a DTMF (Touch Tone) telephone, connect one lead to screw terminal 2 on terminal strip 1 and the programming post. If you use a Lineman's Handset, connect one clip to the programming post and the other to the top of the diode above terminal strip 1 (see Figure 1).

Step 1. Place the System VII MCU into program mode by removing the cover.

Step 2. Locate the programming jumpers on the Interrogator Module board and move them into PROGRAMMING POSITION. Move the vertical jumper to the down position and move the horizontal jumper to the left for programming. See Figure 1 of this addendum.

Step 3. Connect the lineman's handset or DTMF telephone as described above to the Interrogator Module.

Step 4. Set trip input. * + # + 40 + 2 + 0 + #

Step 5. Set control panel type to 1. * + # + 39 + 1 + #

Step 6. Set unit number to 0. * + # + 34 + 0 + #

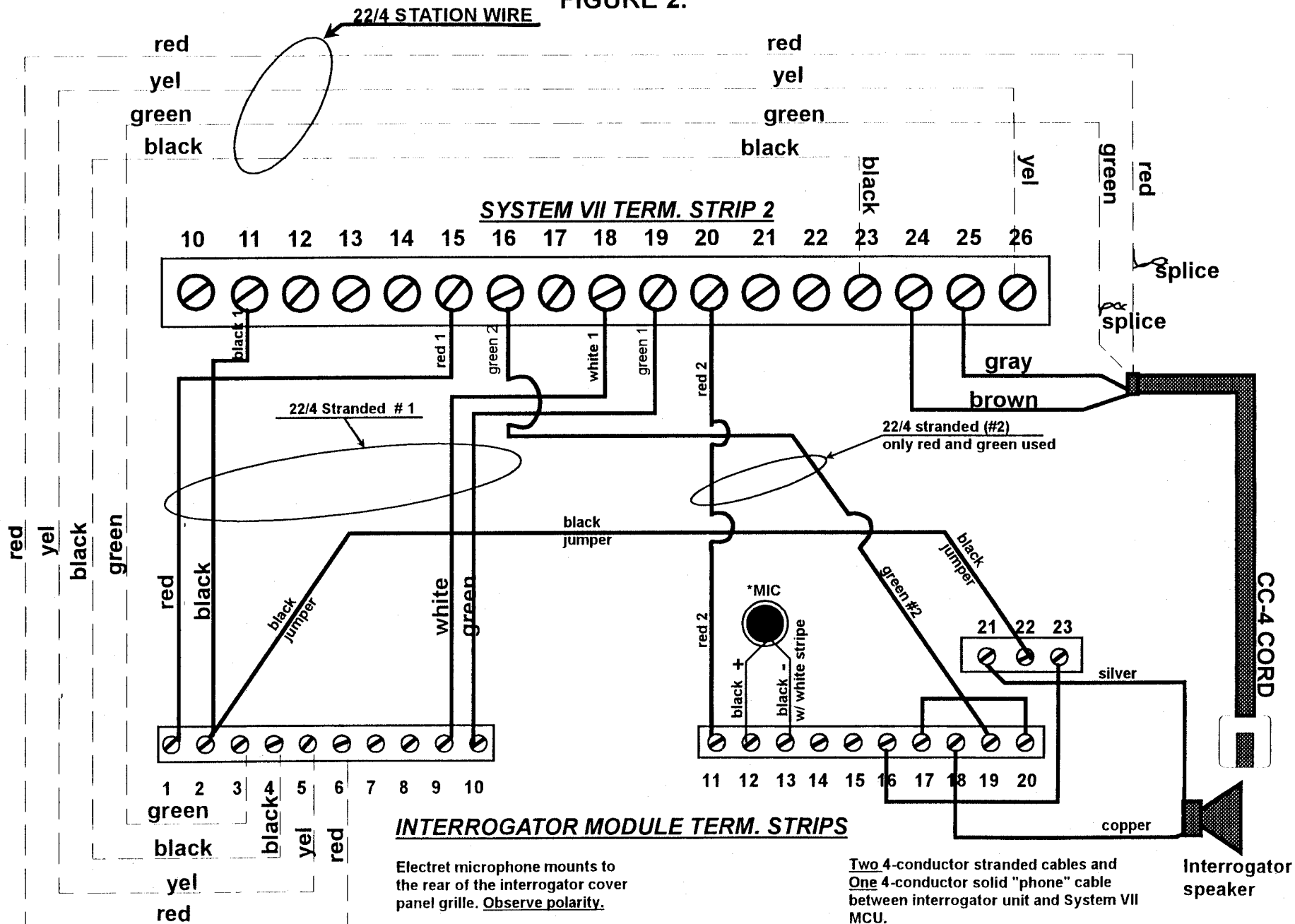Step 7. Set off-site access to OFF. * + # 33 + 0 + #
( Where 0 is ZERO and not letter O in the program fields).

Step 8. End programming by entering 99.

Step 8. Program field 77 must be turned on in the System VII MCU. Set 77 **ON** last after all hardwire bus devices have been connected.

Step 9. Test the Interrogator Module. Follow the instructions in the Interrogator manual for testing the system to central station.

# CPU TERMINAL STRIP 2 WITH INTERROGATOR MODULE
## FIGURE 2.

22/4 STATION WIRE

red
yel
green
black

red
yel
green
black

### SYSTEM VII TERM. STRIP 2

black

yel

green

red

10  11  12  13  14  15  16  17  18  19  20  21  22  23  24  25  26

black

splice

splice

black 1

red 1

green 2

white 1

green 1

red 2

gray

brown

22/4 Stranded # 1

22/4 stranded (#2)
only red and green used

red

yel

black

green

red

black

black
jumper

black
jumper

black
jumper

*MIC

red 2

black +

black −

w/ white stripe

green #2

21  22  23

silver

CC-4 CORD

red 2

white

green

11  12  13  14  15  16  17  18  19  20

copper

### INTERROGATOR MODULE TERM. STRIPS

1   2   3   4   5   6   7   8   9   10
green
black
black
yel
red
yel
red

Electret microphone mounts to
the rear of the interrogator cover
panel grille. Observe polarity.

Two 4-conductor stranded cables and
One 4-conductor solid "phone" cable
between interrogator unit and System VII
MCU.

Interrogator
speaker

# SYSTEM VII INTERROGATOR MODULE
# PROGRAMMING AND ADJUSTMENT POINTS
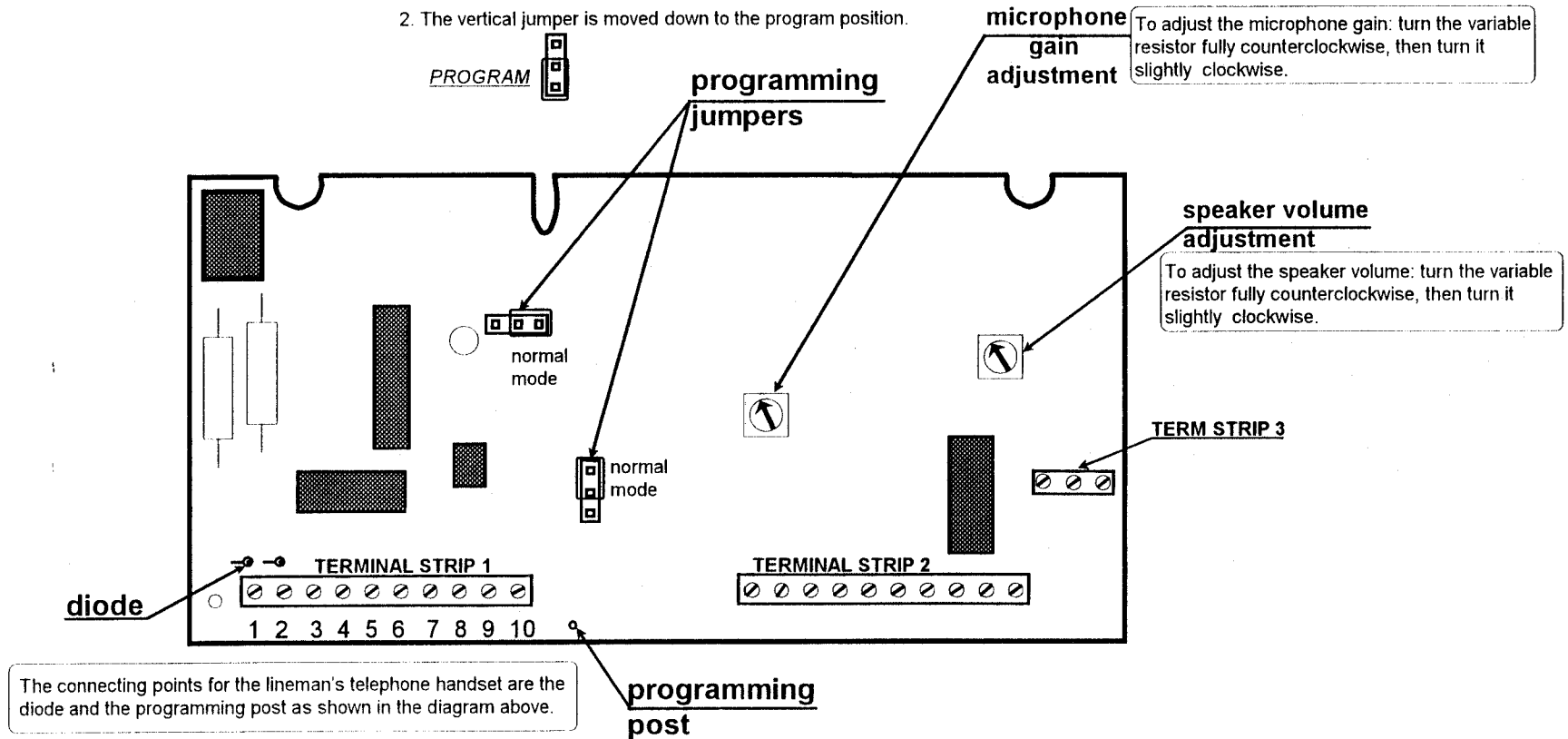
## FIGURE 1.

The position of the jumpers for PROGRAMMING:
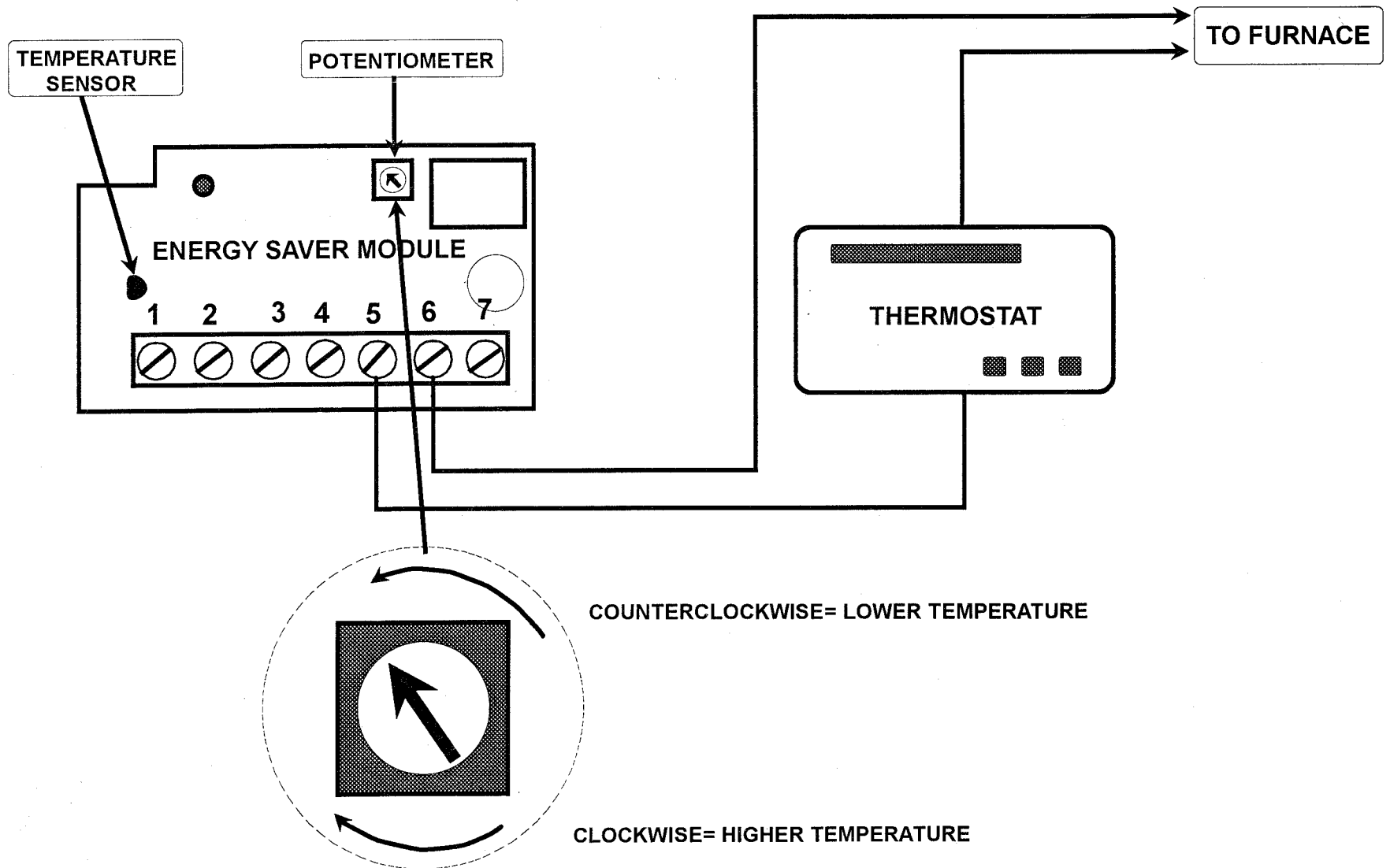1. The horizontal jumper is moved to the left to the program position

PROGRAM

2. The vertical jumper is moved down to the program position.

PROGRAM

**programming jumpers**

**microphone gain adjustment**
To adjust the microphone gain: turn the variable resistor fully counterclockwise, then turn it slightly clockwise.

**speaker volume adjustment**
To adjust the speaker volume: turn the variable resistor fully counterclockwise, then turn it slightly clockwise.

normal mode

normal mode

**TERM STRIP 3**

**TERMINAL STRIP 1**

**TERMINAL STRIP 2**

1 2 3 4 5 6 7 8 9 10

**diode**

The connecting points for the lineman's telephone handset are the diode and the programming post as shown in the diagram above.

**programming post**

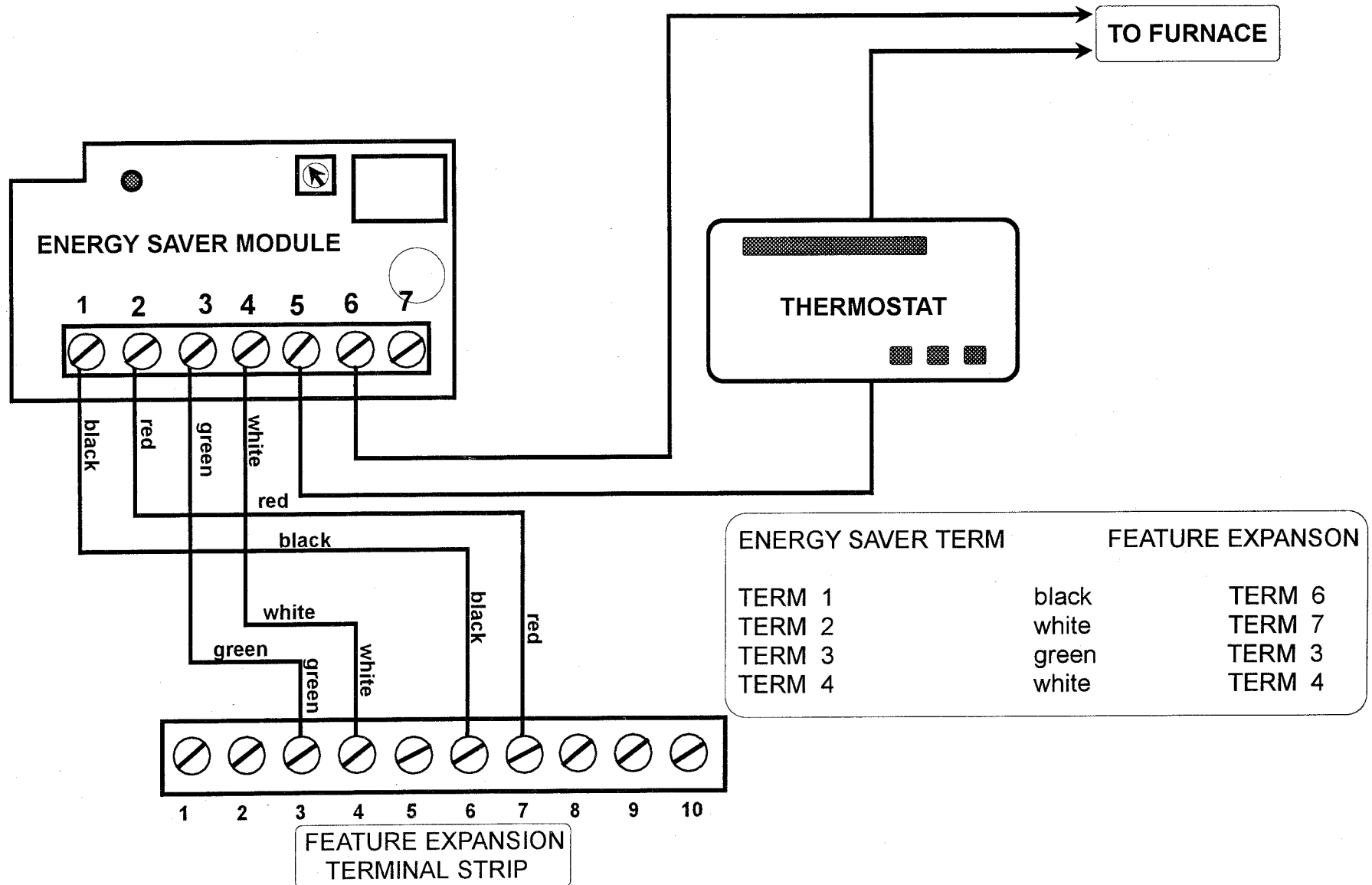**NOTE 1: The System VII MCU must be in the programming mode to program the Interrogator Module.**
**NOTE 2: Program field #77 must be turned "ON" in the System VII MCU.**

# ENERGY SAVER MODULE WITH THERMOSTAT
## TEMPERATURE CALIBRATION

TO FURNACE

TEMPERATURE SENSOR

POTENTIOMETER

ENERGY SAVER MODULE

1  2  3  4  5  6  7

THERMOSTAT

COUNTERCLOCKWISE= LOWER TEMPERATURE

CLOCKWISE= HIGHER TEMPERATURE

# ENERGY SAVER MODULE WITH THERMOSTAT
# CONNECTED TO FEATURE EXPANSION MODULE

TO FURNACE

ENERGY SAVER MODULE

1   2   3   4   5   6   7

black   red   green   white

red

black

white

green   white   black   red

green

FEATURE EXPANSION
TERMINAL STRIP

1   2   3   4   5   6   7   8   9   10

THERMOSTAT

| ENERGY SAVER TERM | | FEATURE EXPANSON |
|---|---|---|
| TERM 1 | black | TERM 6 |
| TERM 2 | white | TERM 7 |
| TERM 3 | green | TERM 3 |
| TERM 4 | white | TERM 4 |

# CPU TERMINAL STRIP 2 WITH FEATURE EXPANSION AND ENERGY SAVER MODULE

ENERGY SAVER MODULE

green

1  2  3  4  5  6  7

white

red

black

green

FEATURE EXPANSION
MODULE

1  2  3  4  5  6  7  8  9  10

black

red

yellow

green

white

yellow

red

black

yellow

white

green

CPU BOARD TERMINAL STRIP 2

10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26

| ENERGY SAVER MODULE TERMINAL | | FEATURE EXPANSION MODULE |
|---|---|---|
| TERM 1 | black | TERM 6 |
| TERM 2 | red | TERM 7 |
| TERM 3 | green | TERM 3 |
| TERM 4 | white | TERM 4 |

| FEATURE EXPANSION MODULE TERMINAL | | CPU BOARD TERMINAL STRIP 2 |
|---|---|---|
| TERM 6 | black | TERM 11 |
| TERM 7 | red | TERM 15 |
| TERM 8 | yellow | TERM 16 |
| TERM 9 | white | TERM 18 |
| TERM 10 | green | TERM 19 |