

Programming the T775M as FAMU Temperature Controller

To program the controller, perform the following procedures in the order listed:

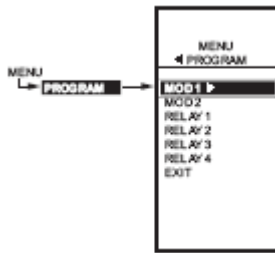


Fig. 1

1.1. Entering Program Mode

Press the MENU button, then select PROGRAM and press the ► button to view the program menu.

Fig. 1 shows the Program menu for controller.

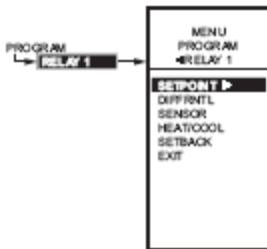


Fig. 2

1.2. Program Menu for Outputs

1. From the menu, use the ▲ and ▼ buttons to highlight MOD 1.
 2. Press the ► button to select MOD 1 to view the parameters. Fig. 2 shows RELAY 1. In MOD 1, THROT RNG replaces DIFFERNTL.
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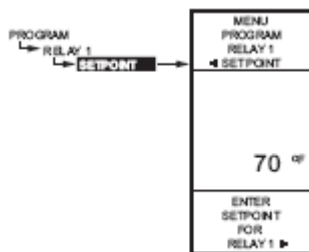
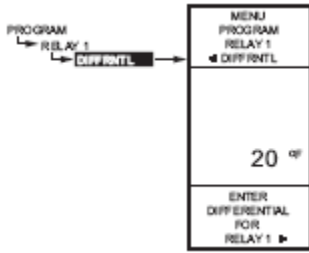


Fig. Program – Setpoint

1.2.1. SETPOINT for MOD 1

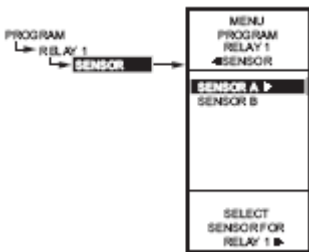
1. From the menu, use the ▲ and ▼ buttons to highlight SETPOINT.
2. Press the ► button to display the setpoint value.
3. Use the ▲ and ▼ buttons to increase/decrease the desired setpoint temperature.
Set the temperature to 55° F.
4. Press the ► button to accept the setpoint temperature and display the next option.



1.2.2. SETTING THROTTLING RANGE

Fig. Program – Throttling Range

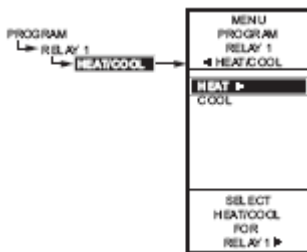
1. From the menu, use the ▲ and ▼ buttons to highlight THROT RNG.
2. Press the ► button to display the throttling range value.
3. Use the ▲ and ▼ buttons to increase/decrease the desired value.
Set the value to 10° F.
4. Press the ► button to accept the value and display the next option.



1.2.3. SENSOR

Fig. Program – Sensor

1. From the menu, use the ▲ and ▼ buttons to highlight SENSOR.
2. Press the ► button to display the sensor selections.
3. Use the ▲ and ▼ buttons to select Sensor A or B.
Select sensor B.
4. Press the ► button to accept the highlighted sensor and display the next option.



1.2.4. HEAT/COOL

Fig. Program Heat/Cool

1. From the menu, use the ▲ and ▼ buttons to highlight HEAT/COOL (Default: HEAT).
2. Press the ► button to display the heat and cool selections.
3. Use the ▲ and ▼ buttons to select Heat or Cool.
Select COOL.
4. Press the ► button to accept the highlighted selection and display the next option.

1.2.5. Exit

Press the ► button to accept the highlighted selection EXIT. This will display the main Program Menu screen (Fig. 1)

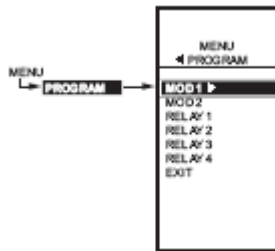


Fig. 1

1.3. Program Next Output (MOD 2)

1. From the menu, use the ▲ and ▼ buttons to highlight MOD 2.
 2. Press the ► button to select MOD 2 to view the parameters.
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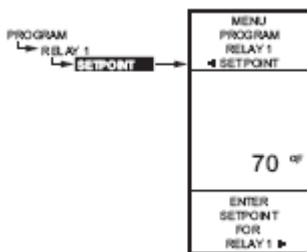
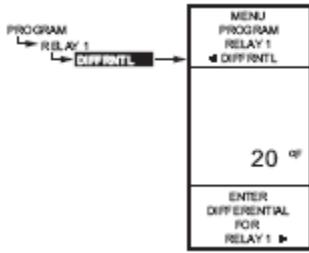


Fig. Program - Setpoint

1.3.1. SETPOINT for MOD 2

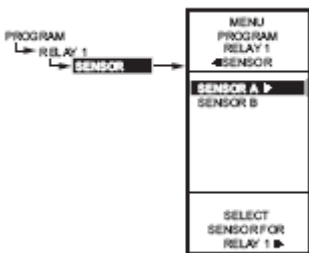
1. From the menu, use the ▲ and ▼ buttons to highlight SETPOINT.
 2. Press the ► button to display the setpoint value.
 3. Use the ▲ and ▼ buttons to increase/decrease the desired setpoint temperature.
Set the temperature to 55° F.
 4. Press the ► button to accept the setpoint temperature and display the next option.
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1.3.2. SETTING THROTTLING RANGE

Fig. Program – Throttling Range

1. From the menu, use the ▲ and ▼ buttons to highlight THROT RNG.
 2. Press the ► button to display the throttling range value.
 3. Use the ▲ and ▼ buttons to increase/decrease the desired value.
Set the value to 10° F.
 4. Press the ► button to accept the value and display the next option.
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1.3.3. SENSOR

Fig. Program – Sensor

5. From the menu, use the ▲ and ▼ buttons to highlight SENSOR.
 6. Press the ► button to display the sensor selections.
 7. Use the ▲ and ▼ buttons to select Sensor A or B.
Select sensor A.
 8. Press the ► button to accept the highlighted sensor and display the next option.
-

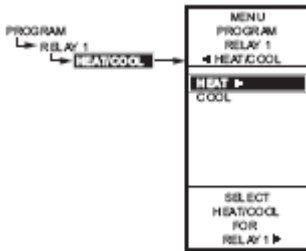


Fig. Program Heat/Cool

1.3.4. HEAT/COOL

5. From the menu, use the ▲ and ▼ buttons to highlight HEAT/COOL (Default: HEAT).
6. Press the ► button to display the heat and cool selections.
7. Use the ▲ and ▼ buttons to select Heat or Cool.
Select HEAT.
8. Press the ► button to accept the highlighted selection and display the next option.

1.3.5. Exit

Press the ► button to accept the highlighted selection EXIT. This will display the main Program Menu screen (Fig. 1)

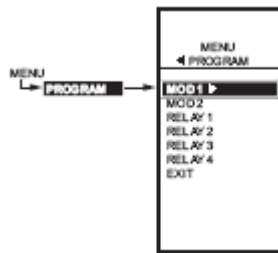


Fig. 1

1.4. Program Next Output (RELAY 1)

1. From the menu, use the ▲ and ▼ buttons to highlight RELAY 1.

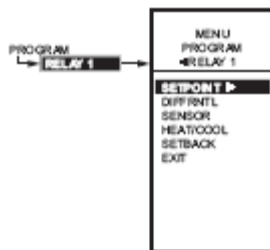
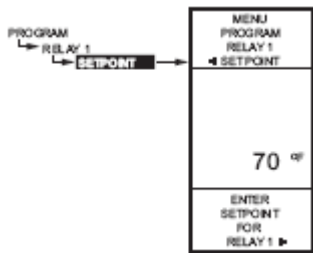


Fig. 2

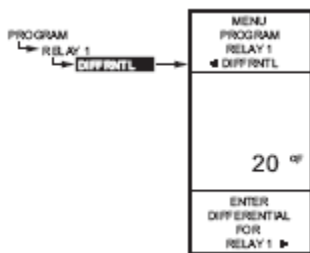
2. Press the ► button to select RELAY 1 to view the parameters.



1.4.1. SETPOINT for RELAY 1

Fig. Program - Setpoint

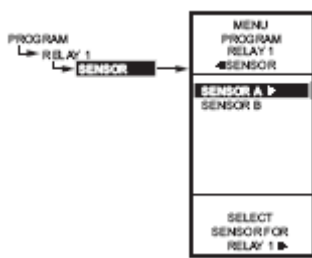
1. From the menu, use the ▲ and ▼ buttons to highlight SETPOINT (Fig. 2).
2. Press the ► button to display the setpoint value.
3. Use the ▲ and ▼ buttons to increase/decrease the desired setpoint temperature.
Set the temperature to 100° F.
4. Press the ► button to accept the setpoint temperature and display the next option.



1.4.2. DIFFERENTIAL SETTING

Fig. Program – Differential

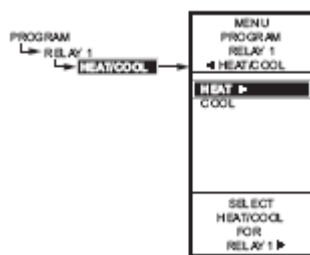
1. From the menu, use the ▲ and ▼ buttons to highlight DIFFERNTL.
2. Press the ► button to display the differential value.
3. Use the ▲ and ▼ buttons to increase/decrease the desired value.
Set the value to 10° F.
4. Press the ► button to accept the value and display the next option.



1.4.3. SENSOR

Fig. Program – Sensor

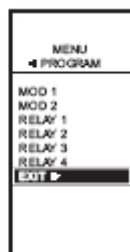
1. From the menu, use the ▲ and ▼ buttons to highlight SENSOR.
2. Press the ► button to display the sensor selections.
3. Use the ▲ and ▼ buttons to select Sensor A or B.
Select sensor A.
4. Press the ► button to accept the highlighted sensor and display the next option.



1.4.4. HEAT/COOL

Fig. Program Heat/Cool

1. From the menu, use the ▲ and ▼ buttons to highlight HEAT/COOL (Default: HEAT).
2. Press the ► button to display the heat and cool selections.
3. Use the ▲ and ▼ buttons to select Heat or Cool.
Select HEAT.
4. Press the ► button to accept the highlighted selection and display the next option.



1.5. Exiting Program Mode

Fig. Program – Exit

Press the HOME button to leave programming mode and return to the home screen.

This completes the programming procedure.