

# ATA21H01

## Microelectronic Heat Pump Thermostat

T8511G1096

### INSTALLATION INSTRUCTIONS

Use form 69-0961 except use Table 2 and the hookup diagrams that follow.

**Table 2. Thermostat Installer Setup Options.**

Select	Installer Setup Number (Press <b>i</b> key to change)	Factory Setting		Other Choices (Press <b>▲</b> or <b>▼</b> key to change)		Actual Setting
		Display	Description	Display	Description	
Not used.	01 thru 04	—	—	—	—	—
Heating cycle rate.	05	06	Stage 2.	03, 06 or 09	03—3 cph used for stage 1 heat pump systems.	—
	06	—	Not used.		06—6 cph used for conventional systems.	
	07	09	Emergency heat.		09—9 cph used for electric heat systems.	
Not used.	08 thru 11	—	—	—	—	—
Changeover	12	00	Automatic changeover.	01	Manual changeover.	—
Not used.	13	—	—	—	—	—
Degree temperature display.	14	00	Temperature is displayed in °F.	01	Temperature is displayed in °C	—
Not used.	15 thru 18	—	—	—	—	—
Extended fan operation in heating.	19	01	Fan operation is extended 90 seconds after the call for heat ends.	00	No extended fan operation after the call for heat ends.	—
Extended fan operation in cooling.	20	01	Fan operation is extended 90 seconds after the call for cool ends.	00	No extended fan operation after the call for cool ends.	—
Not used.	21 thru 23	—	—	—	—	—
Outdoor temperature display.	24	00	No outdoor temperature is displayed.	01	Outdoor temperature is displayed. Needs a C7089B1000 Outdoor Sensor to operate.	—
Not used.	25 thru 28	—	—	—	—	—
O/B terminal energized in heating or cooling.	29	00	O/B terminal is energized for reversing valve in cooling.	01	O/B terminal is energized for reversing valve in heating.	—
Not used.	30 thru 32	—	—	—	—	—

(continued)



Table 2. Thermostat Installer Setup Options (continued).

Select	Installer Setup Number (Press <b>i</b> key to change)	Factory Setting		Other Choices (Press <b>▲</b> or <b>▼</b> key to change)		Actual Setting
		Display	Description	Display	Description	
Minimum off time for the compressor.	33	00	No minimum off-time for the compressor.	00, 01, 02, 03 or 04	Minimum number of minutes (0 thru 5) the compressor will be off between calls for the compressor.	
Heating setpoint range stop.	34	80	Heating setpoint can be set no higher than 80°F.	40 thru 90	Number can be set anywhere between 40 and 90 in 1°F increments.	
Cooling setpoint range stop.	35	60	Cooling setpoint can be set no lower than 60°F.	45 thru 99	Number can be set anywhere between 45 and 99 in 1°F increments.	
Not used.	36	—	—	—	—	—
Temperature display adjustment.	37	00	No difference in displayed temperature and actual room temperature.	-3 thru 03	01—Display adjusts to 1°F higher than actual room temperature. 02—Display adjusts to 2°F higher than actual room temperature. 03—Display adjusts to 3°F higher than actual room temperature. -1—Display adjusts to 1°F lower than actual room temperature. -2—Display adjusts to 2°F lower than actual room temperature. -3—Display adjusts to 3°F lower than actual room temperature.	

