USER'S INFORMATION MANUAL

PREMIUM HIGH DEFINITION TOUCH SCREEN COMMUNICATING CONTROL
MODELS: S1-TTSCC01

Energy Saver

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Need Assistance?

For assistance with this product please visit **http://www.yorkupg.com**

Read and Save This Manual

IMPORTANT

***Never* use sharp instruments, such as a pencil or pen, to press touch screen keys. To prevent damage to the thermostat, *always press keys with your fingertip*.**

⚠️CAUTION

Settings / Backlight	🏠
Active Brightness:	
➖ 50% 80% 100% ➕	
Sleep Brightness:	
➖ 25% 80% ➕	
Cancel	OK

Your brightness default settings are preset to maximize the life of your Communicating Control. Increasing the brightness levels could potentially decrease the life of the product. Brightness default settings for your Communicating Control are set: Active Mode Brightness 80% and Sleep Mode Brightness 25%.

ABOUT YOUR COMMUNICATING CONTROL

Features

- **Large, Clear Display with Backlighting –** current temperature and temperature setpoint are easy-to-read and are displayed on the home screen.
- **Intuitive Programming –** guides you through the scheduling process .
- **Ability to Copy Multiple Days –** allows you to easily customize the Communicating Control for your unique schedule.
- **Real-Time Clock –** keeps time during power failure; automatically updates for daylight savings.
- **Precise Temperature Control (+/- 1°F) (+/- .5°C) –** reliable, consistent comfort.
- **Multiple Schedule Hold/Override options –** allow you to modify schedule indefinitely or for a specific time.
- **Change Reminders –** reminds you to replace and maintain air filters, humidifier pad, UV bulbs, and/or Electronic Air Cleaner filters.
- **Outdoor Temperature Indication –** shows current outdoor temperature on the display to help you plan outdoor activities.

NOTICE

The Home and Menu screen may differ slightly, depending on your heating and/or cooling system and the Communicating Control's display settings.

QUICK REFERENCE

Your new Communicating Control is preset to Non-Programmable View/Mode.

To change the View Mode:

1. Press **Menu** in the bottom right corner of your screen.
2. Press **Settings** icon.
3. Press **View/Mode** icon.
4. Select **Non-Programmable**, **Programmable** or **Advanced Programmable**.

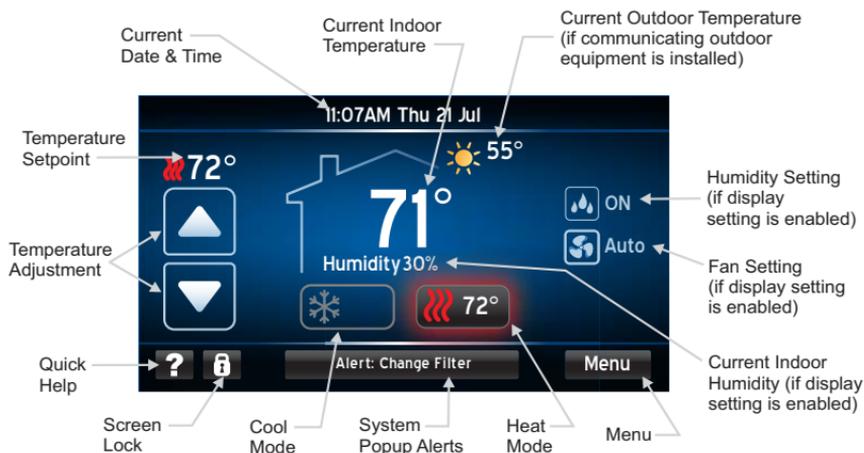The quick reference guide for each View/Mode is detailed in Figures 1-3.

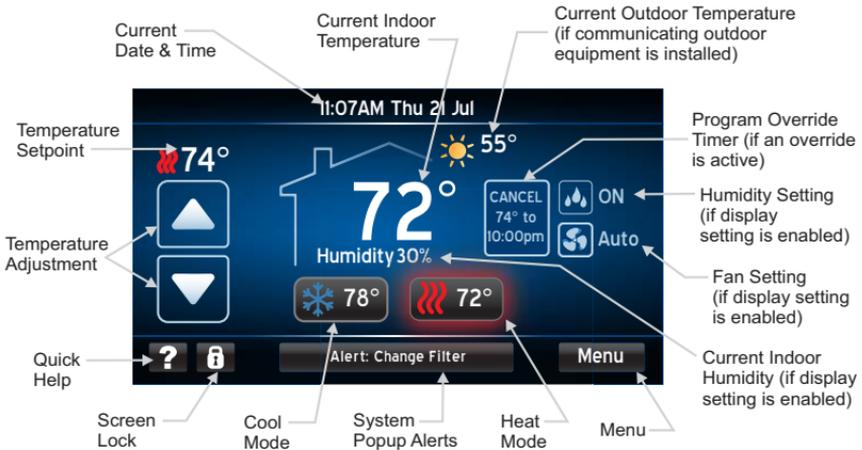

FIGURE 1: Non-Programmable Mode

Current Date & Time
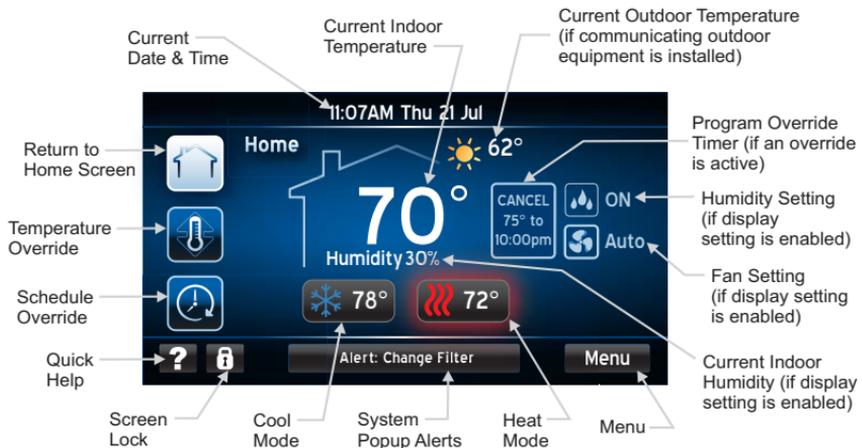
Current Indoor Temperature

Current Outdoor Temperature (if communicating outdoor equipment is installed)

Temperature Setpoint

Program Override Timer (if an override is active)

Temperature Adjustment

Humidity Setting (if display setting is enabled)

Fan Setting (if display setting is enabled)

Quick Help

Current Indoor Humidity (if display setting is enabled)

Screen Lock

Cool Mode

System Popup Alerts

Heat Mode

Menu

11:07AM Thu 21 Jul
55°
72°
74°
Humidity 30%
CANCEL 74° to 10:00pm
ON
Auto
78°
72°
Alert: Change Filter
Menu

FIGURE 2: Programmable Mode

Current Date & Time

Current Indoor Temperature

Current Outdoor Temperature (if communicating outdoor equipment is installed)

Return to Home Screen

Program Override Timer (if an override is active)

Temperature Override

Humidity Setting (if display setting is enabled)

Schedule Override

Fan Setting (if display setting is enabled)

Quick Help

Current Indoor Humidity (if display setting is enabled)

Screen Lock

Cool Mode

System Popup Alerts

Heat Mode

Menu

11:07AM Thu 21 Jul
Home
62°
70°
Humidity 30%
CANCEL 75° to 10:00pm
ON
Auto
78°
72°
Alert: Change Filter
Menu

FIGURE 3: Advanced Programmable

Johnson Controls Unitary Products

PROGRAMMING & OPERATION

DATE & TIME SETTINGS

1. Press **Menu** in the bottom right corner of your screen.

2. Press **Settings** icon.

3. Press **Date/Time** icon.

4. Select Date - current **month**, **day** and **year.**
5. Select Clock - current **hour**, **minutes** and **AM** or **PM.**
6. Select Clock Format (**12hr** or **24hr**).
7. Select Daylight Saving Time (**Yes** or **No**).

NOTE: 2007 and beyond, for areas that use the new 2007 DST calendar.

8. Press **OK** when you are done.

SYSTEM SETTINGS

Your Communicating Control is preset to OFF mode (neither heating or cooling modes are selected).

In Non-Programmable mode, Auto mode cannot be activated. If Auto mode is desired, change the View/Mode to either Programmable or Advanced Programmable (see page 5 for details).

- **Off mode:** Neither Heating or Cooling icons are illuminated.
- **Heat mode:** Heating icon is illuminated (red glow ring indicates heat equipment operation).
- **Cool mode:** Cooling icon is illuminated (blue glow ring indicates cool equipment operation).
- **Auto mode:** Both Heating and Cooling icons are illuminated (red/blue glow ring indicates heat/cool equipment operation).
- **Emergency Heat:** Emergency Heat button is selected via the Menu screen (only for heat pumps with electric heat strips or heat pumps with furnace).

FAN SETTINGS

In non-programmable mode, the fan setting defaults to the schedule currently active in the calendar.

In programmable mode, the fan setting defaults to schedule mode.

1. Press **Menu** at the bottom right side of your screen.

NOTICE
Or press the quick access Fan icon on the right side of your screen.

2. Press **Fan** icon.
3. Select the Fan function.
    a. **Auto** – runs only with equipment.
    b. **Manual** – runs intermittently to circulate air.

NOTE: Manual mode is not available for all systems.

    i. Adjust the speed of your fan motor.

NOTE: The lower the speed the less electricity consumed.

    ii. Select the fan run time. Choices are **15**, **30**, and **45 minutes** per hour or **Always**.
    c. **Schedule** – follows program schedule fan settings (see Page 9 for more information).

NOTE: Schedule option is only available in programmable modes.

4. Select check box to display fan icon on home screen.
5. Press **OK** when you are done.

HUMIDITY SETTINGS

In non-programmable mode, your Communicating Control humidity setting defaults to auto mode. In programmable mode, the humidity setting defaults to schedule mode.

1. Press **Menu.**

NOTE: Or press the quick access **Humidity** icon on the right side of your screen.

2. Press **Humidity** icon.
3. Select the Humidity mode.
    a. **Humidification** – Select the **Heat** mode symbol.
    b. **Dehumidification** – Select the **Cool** mode symbol.
4. Select Humidity function.
    a. **Auto** – Automatically sets the humidity setpoint based on indoor temperature.

NOTE: Auto mode requires an outdoor sensor.

    b. **Manual** – Manually set the humidity setpoint.
        i. Select your desired indoor humidity percentage level.

NOTE: If you start seeing condensation building up on your windows, lower the humidity setpoint or switch to auto mode.

    c. **Schedule** – Follows program schedule humidity settings (See Page 9 for more information).

NOTE: Schedule option is only available in programmable modes.

5. Select check box to display humidity information on home screen.
6. Press **OK** when you are done.

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SMART RECOVERY

Your Communicating Control comes with a feature called Smart Recovery, which eliminates all guesswork when setting your program schedule.

How long does it take the furnace to warm your house in the morning before you get out of bed or how long does it take the air conditioner to cool your house in the afternoon before you return from work? The Communicating Control determines the equipment start time to satisfy your desired temperature setpoint.

Simply set your program schedule to the time you want the house to be at your comfort temperature. The Communicating Control then turns on the heating or cooling at just the right time to have your home reach your comfort temperature at your scheduled time.

For example: you get out of bed at 6:00 AM and want the temperature to be 70°F. Set the Awake period for 6:00 AM and 70°F. The Communicating Control will turn on the heat before 6:00 AM to raise the temperature to 70°F by 6:00 AM.

ENERGY SAVER SETTINGS

Energy Saver feature allows you to program your system for maximum energy savings. You can chose from two, three or four time periods each day, with different settings for each day.

This Communicating Control is preset to use Energy Saver program settings. These settings would help reduce your heating/cooling expenses.

	Setpoints		Fan Setting	Setpoints	
	Heat	Cool		Hum	Dehum
Awake (6:00 AM)	70°	78°	Auto		
Day (8:00 AM)	62°	85°	Auto	Auto	Auto
Return (5:00 PM)	70°	78°	Auto		
Sleep (10:00 PM)	62°	82°	Auto		

USING PROGRAM SCHEDULES

In a Non-Programmable mode, adjusting program schedule cannot be done.

NOTICE

In order to edit or run a program schedule, change the View/Mode to either Programmable or Advanced Programmable (see page 3 for details).

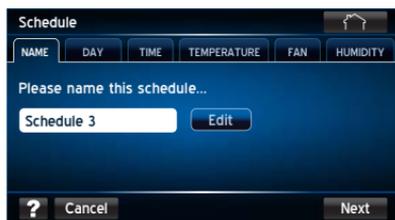1. Press **Menu.**
2. Press **Schedule** icon.

Program Schedule Options

3. Press:
   - a. The **New, Edit** or **Copy** icons to create a new or edit an existing schedule. Refer Page 9.
   - b. The **Delete** icon to delete an existing schedule. Refer Page 12.
   - c. The **Viewer** icon to view existing schedule summaries. Refer Page 12.
   - d. The **import/export** icon to import or export a program schedule. Refer to Page 12.
   - e. The **Assign to Calendar** icon to assign an existing schedule to the calendar. Refer Page 12.

A. Creating New or Editing/Copying an Existing Schedule

Name

Step 1 - Press **Edit** icon.
   - a. Use the keyboard to name the schedule.
   - b. Press **OK.**

Step 2 - Press **Next**.

Day

Step 3 - Select **Day** to set schedule.

Step 4 - Press **Next.**

NOTE: Each program schedule is identified by a color. Color shades represent unique program schedule settings.

Time

Step 5 - Select Number of Events (**2**, **3** or **4** events per day).

Step 6 - Select **Event** to set start time.

Step 7 - Adjust time that corresponds to the event.

Step 8 - Repeat steps 6-7 to select start time for other events.

Step 9 - Press **Next.**

Temperature

Step 10 - Select **Event** to edit temperature set-points.

Step 11 - Adjust your **Heating** and **Cooling** set-points.

Step 12 - Select **OK.**

Step 13 - Repeat steps 10-12 to program temperature for other events.

Step 14 - Press **Next.**

Fan

Step 15 - Select **Event** to edit fan settings.

Step 16 - Select the Fan function.

    a. Auto

    b. Manual

NOTE: Manual mode is not available for all systems.

    i. Adjust the speed of your fan motor.

NOTE: The lower the speed the less electricity consumed.

    ii. Select the fan run time. Choices are **15**, **30**, and **45 minutes** per hour or **Always**.

Step 17 - Select **OK.**

Step 18 - Repeat steps 15-17 to select fan mode for other events.

Step 19 - Press **Next.**

Humidity

Step 20 - Select the Humidity mode.

a. **Humidification** – select the Heat mode symbol.

b. **Dehumidification** – select the Cool mode symbol.

Step 21 - Select the Humidity function.

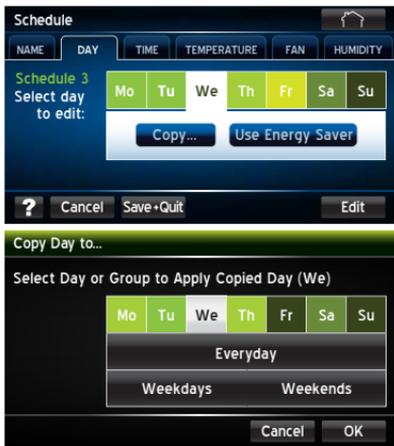a. **Auto** – automatically sets the humidity setpoint based on indoor temperature.

NOTE: Auto mode requires an outdoor sensor.

b. **Manual** – manually set the humidity setpoint.

   i. Select your desired indoor humidity percentage level.

Step 22 - Press **Next.**

NOTE: Steps 3-22 illustrate how to set a single day's program schedule. You can copy this day to subsequent days (see **Copy Day** section below), or set another day by repeating steps 3-22.

Copy Day

Step 23 - Press **Copy.**

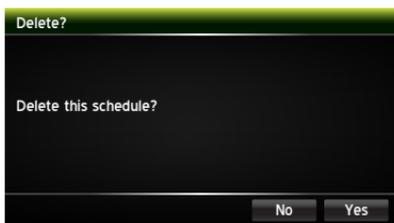**Step 24 -** Select individual **days**, **Weekdays**, **Weekend** or **Everyday.**

Step 25 - Press **OK.**

Step 26 - Repeat steps 23-25 to copy settings to other days.
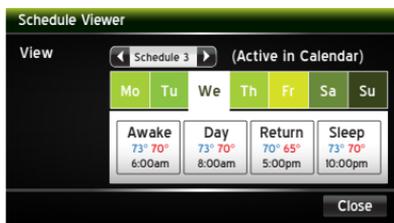
Saving a Program Schedule

Step 27 - Select **Save + Quit.**

B. Deleting an Existing Program Schedule

Step 1 - Press **Yes.**

C. Viewing an Existing Program Schedule

Step 1 - Select Schedule to view by pressing **left** or **right** arrows**.**

Step 2 - Select **Day** to view.

Step 3 - Press **Close.**

D. Importing / Exporting Program Schedules

Step 1 - Select **Import** or **Export** functionality.

For Import

Step 2 - Insert the USB into the bottom of the thermostat when prompted.

Step 3 - When prompted that import is complete, remove USB from drive.

Step 4 - Select OK after import is complete.

For Export

Step 2 - Insert the USB into the bottom of the thermostat when prompted.

Step 3 - When prompted that export is complete, remove USB from drive.

Step 4 - Select OK after export is complete.

E. Assigning Program Schedules to Calendar

Step 1 - Select Schedule to assign to calendar by pressing **up** or **down** arrows.

Step 2 - Select individual **months**, **Seasons**, or **All Year.**

Step 3 - Repeat steps 1-2 for each schedule's calendar assignment.

Step 4 - Press **Done.**

NOTE: In order to run a program schedule, it must be assigned to the calendar.

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TEMPERATURE OVERRIDE

Programmable Mode

1. Press **temperature adjustment arrows** either up or down until the desired override temperature setpoint is shown.
2. Press **Pick Duration** button.
3. Select the duration for running the temperature override.
   a. Until **Cancelled** – holds temperature until cancelled.
   b. Until specific **Date & Time** – holds temperature until specified date and time.
   c. Until program schedule **Next Event** – hold temperature until next schedule event.

Advanced Programmable Mode

1. Press **Thermometer** icon.
2. Use the **slider** to set the desired override temperature.
3. Press **Pick Duration** button.
4. Select the duration for running the temperature override.
   a. Until **Cancelled** – holds temperature until cancelled.
   b. Until specific **Date & Time** – holds temperature until specified date and time.
   c. Until program schedule **Next Event** – hold temperature until next schedule event.

Quick Heat / Quick Cool

1. Press **Thermometer** icon.
2. Select **Quick Heat** / **Quick Cool** icon – runs heat/cool equipment at maximum capacity for 10 minutes.

SCHEDULE OVERRIDE

Advanced Programmable Mode

1. Press **Schedule** icon.
2. Select:
   a. The current program schedule **(NOW)** event to extend the duration.
   b. The desired program schedule **(OVERRIDE)** event to override with a future event.
   c. The Set Vacation to setup a Vacation Override.

A. Extend Current Program Schedule Event

To extend the current program schedule event's settings (temperature, fan, and humidity) beyond the scheduled event time, perform the following:

Step 1 - Select current program schedule event (NOW shown in highlighted box).

Step 2 - Press **OK**.

Step 3 - Select the duration for running the schedule override.

Step 4 - Until **Cancelled** – permanent hold.
   a. Until specific **Date & Time.**
   b. Until program schedule **Next Event.**

B . Change to Future Program Schedule Event

Arrive home from work early? To initiate a future program schedule event's settings (temperature, fan, and humidity) prior to the scheduled event time, perform the following:

Step 1 - Select desired program schedule event (OVERRIDE shown in highlighted box).

Step 2 - Press **OK.**

C. Vacation Override

Step 1 - Select number of **Days** or

Step 2 - Select Vacation Dates:
   a. Leave Date - current **month**, **day** and **year.**
   b. Return Date - current **month**, **day** and **year.**
   c. Press **Next.**

Step 3 - Adjust your **Heating** and **Cooling** set-points.

Step 4 - Press **Next.**

Step 5 - Adjust your **Fan** setting.

Step 6 - Press **Next.**

Step 7 - Adjust your **Humidity** settings.

Step 8 - Press **Done.**

Step 9 - Press **OK.**

SPECIAL FEATURES

Equipment Status

Equipment Status feature is used to help you understand your heating and cooling system better. Here are some of the highlights of this feature.

Equipment Conditions

1. Press **Menu**.
2. Press **Status** icon.

Using the system map, you can determine your equipment conditions. The color **GREEN** means your equipment is performing as expected without any concerns. **YELLOW**, that particular piece of equipment requires some attention but not urgently. When equipment status is highlighted in **RED**, it needs immediate attention. Equipment marked in a **GRAY** color is not installed and is offered to maximize your comfort and indoor air quality. For more information on equipment highlighted in GRAY color, contact your installing dealer for more details.

Equipment Operational State

For detailed information on the current operational state of your heating or cooling equipment, you can refer to the Equipment Status screen. It displays status information about your indoor unit (air handler or furnace) and your outdoor unit (heat pump or air conditioner) at any given time.

NOTICE
Not all equipment information is shown for all systems.

Equipment Service Reminders

This feature displays an alert to remind you to change the air filter, humidifier pad, UV lamps or service your electronic air cleaner. To activate, follow these steps.
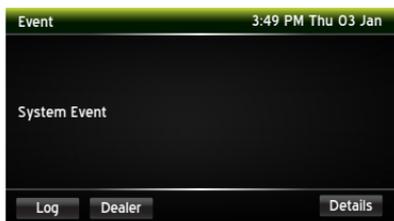

1. Press **Menu**.
2. Press **Settings** icon.
3. Press **Maintenance** icon.
4. **Air Filter**, select either **Cumulative Hours** or **Months**. Adjust the period per the manufacturer recommendation.
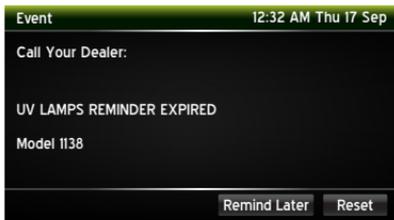
5. **Humidifier Pad**, select either **Cumulative Hours** or **Months**. Adjust the period per the manufacturer recommendation.
6. Using the bar to the right of the screen, scroll down to view other equipment.
7. **UV Lamps**, select either **Cumulative Hours** or **Months**. Adjust the period per the manufacturer recommendation.
8. **Electronic Air Cleaner**, select either **Cumulative Hours** or **Months**. Adjust the period per the manufacturer recommendation.
9. Press **OK** when you are done.
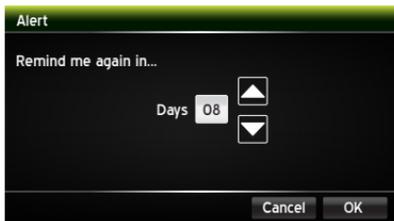
Expired Service Reminders

1. Select Details.

1. Select action for expired Service reminder.
   a. **Reset** – reset service alert timer.
   b. **Remind Later** – specify days to notify later.

A. Reset

Step 1 - After replacing consumable, select **YES** to reset the reminder timer.

Step 2 - Press **OK.**

Alert

Remind me again in…

Days 08 ▲ ▼

Cancel   OK

B. Remind Later

Step 1 - To be reminded at a later date, set duration of days using **up** and **down** arrows.

Step 2 - Press **OK.**

Trilingual Communicating Control

Your Communicating Control's language is preset to English. It comes equipped with 2 other languages to choose from. To switch to a different language, follow these steps.

Settings / Language

Language   English   Español   Français

Cancel   OK

1. Press **Menu**.
2. Press **Settings** icon.
3. Press **Language** icon.
4. Make your language selection.
5. Press **OK.**

Temperature Format

Your Communicating Control's temperature format is preset to Fahrenheit. To switch to Celsius temperature format, follow these steps.

Settings / Temperature

Temperature °F/°C   Fahrenheit   Celsius

Cancel   Done

1. Press **Menu**.
2. Press **Settings** icon.
3. Press **Temp F/C** icon.
4. Make your temperature format selection.
5. Press **OK.**

Dealer Contact Information

Your installer dealer/contractor contact information can be stored in your Communicating Control. To view your dealer/contractor contact information, follow these steps.

1. Press **Menu**.
2. Press **Dealer** icon.

Screen Lock

To prevent tampering with your Communicating Control, the screen can be fully locked. To activate the screen security setting, follow these steps:

1. Press Screen Lock button on the Home screen or
2. Press **Menu**, Press **Settings** icon, and Press **Security** icon.

3. Press **ON** icon to activate screen lock settings.
4. Press **OK.**
   a. You will be prompted to enter your new **PIN number** if you have not already done so.

5. Press **OK.**

Your screen security is now activated. Make sure you remember your pin number.

Screen Cleaning

1. Press **Menu**.

2. Press **Clean** icon to lock the screen for cleaning. The screen will remain locked for 15 seconds to allow you to clean the screen without changing any settings. After 15 seconds, normal screen operation will resume. If more time is needed for cleaning, repeat steps 1 and 2 above.

NOTICE

*Do not **spray any liquid directly on the thermostat. Spray liquids onto a cloth, and then use the damp cloth to clean the screen. Use water or household glass cleaner. Do not use abrasive cleansers.***

APPENDIX

Frequently Asked Questions and Answers.

Q: Next to Fan on the Home screen, Auto or On is shown. What does this mean?

A: The Fan is set for Auto (to run with equipment) or On (to circulate air in your home). See "Fan Settings" on page 9 for more information.

Q: Why doesn't the Communicating Control respond when I touch the keys?

A: Check to determine if the screen is in the Locked or Clean mode. See "Screen Lock" on page 28 or "Screen Cleaning" on page 29.