



**Home Automation, Inc.**

**Model 32A00-5**

**OmniTouch with Video  
Touchscreen**

**Installation Manual**

**Document Number 32I00-5 Rev A  
November, 2005**

## PLANNING

In selecting a place to mount the touchscreen, be sure to avoid an area where studs, plumbing, or electrical wiring may be located behind the wallboard. It should be mounted so that the display is at or slightly above eye level.

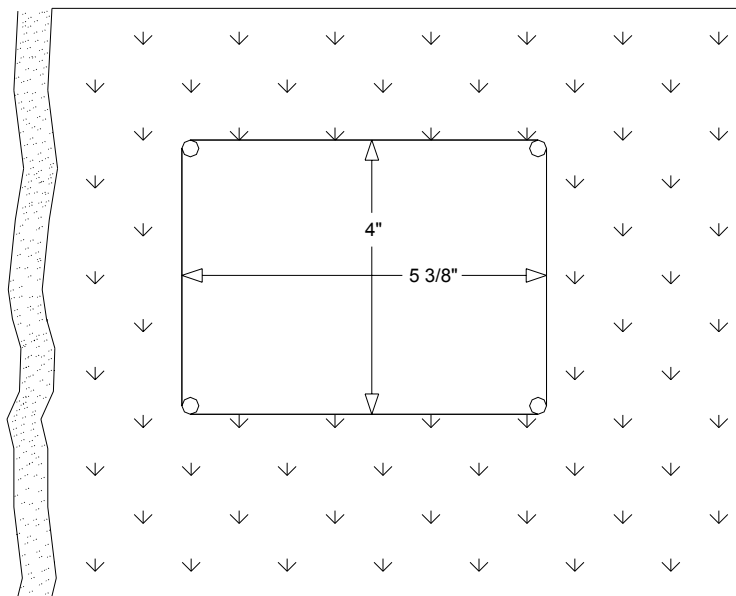
The touchscreen requires Cat-5 (4-pair) cable for operation. The Cat-5 cable provides power, communications, and the video signal from the HAI Touchscreen Hub to the touchscreen.

Run the Cat-5 cable between the touchscreen and the HAI Touchscreen Hub. The maximum distance between the controller and each touchscreen is 800 feet. Terminate both ends of the Cat-5 cable with an 8-position modular connector (as if to make a standard network cable).

## INSTALLATION

Hold the template (Installation Template – 32A10-1) against the wall so the top edge is at the appropriate height and parallel to the floor. Using a Punch, or similar instrument, punch through the center of each tick mark (+) on the template.

Drill a 1/4" hole at each punch mark. Using a pencil, draw a line around the quadrant of each hole as shown as shown. Carefully cut along the pencil line.

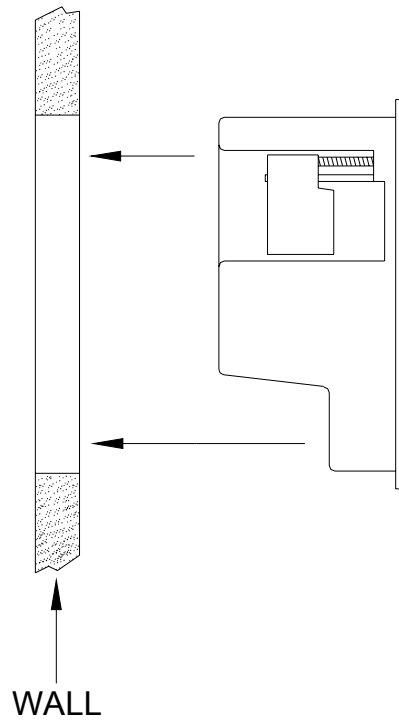


**DO NOT OVERSIZE THIS CUTOUT!**

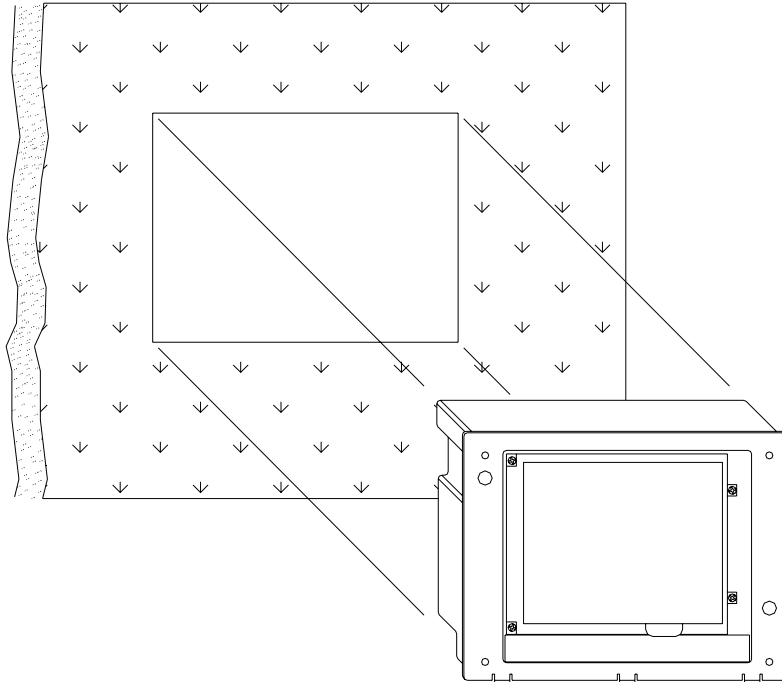
Remove the faceplate from the touchscreen by grasping the top and bottom edges of the faceplate and carefully lifting the bottom edge away from touchscreen housing.

Insert the 8-position modular cable into the RJ-45 connector (J6) through the rectangular cutout in the touchscreen backbox.

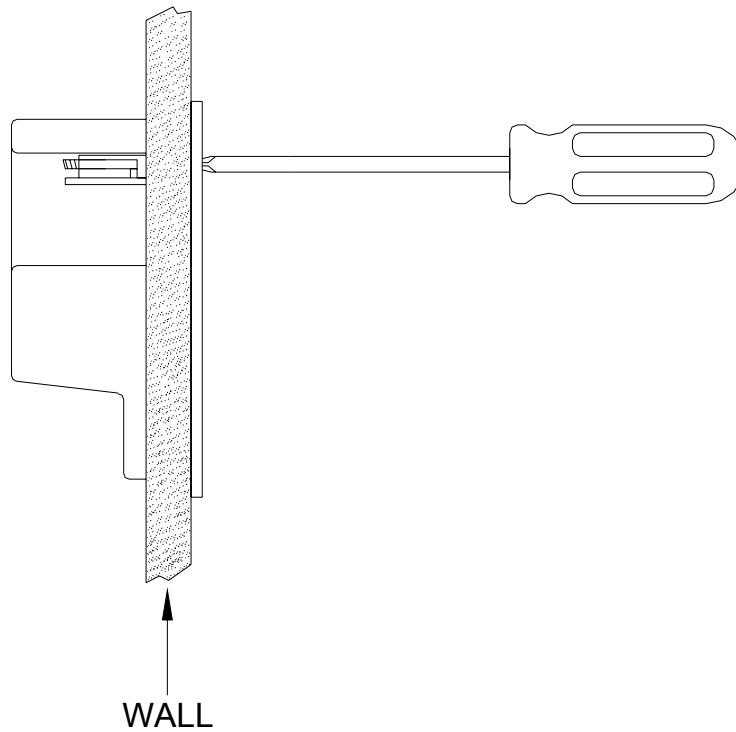
Locate the retaining flange screws in the upper left and lower right corners. Turn the screws counterclockwise until the gap between the retaining flange and the housing flange is wider than the wall.



Place the assembled unit into the cutout in the wall.



Turn the retaining flange screws clockwise until they are snug (do not over tighten).



## **Installing the Faceplate**

Before installing the faceplate, remove the protective film from the LCD area of the touchscreen. Fasten the faceplate onto the touchscreen by hanging the top of the faceplate on the top edge of the touchscreen, then gently snapping the bottom onto the touchscreen.

## **REMOVING THE TOUCHSCREEN**

After installation, if it is necessary to remove the touchscreen from the wall, turn retaining flange screws 1 turn counterclockwise.

**Note:** Do not turn the retaining flange screws more than 1 full turn counterclockwise; otherwise the retaining flange may fall off into the wall.

## **CONNECTING TO THE HAI TOUCHSCREEN HUB**

Each OmniTouch Touchscreen with Video connects to the HAI Touchscreen Hub. The HAI Touchscreen Hub provides power, communications, and the video signal to the touchscreen.

**Note:** HAI Controller Firmware Version 2.11 or later is required to work with the HAI OmniTouch Touchscreen with Video.

A maximum combination of 4 touchscreens and consoles can be used with OmniLT, a maximum combination of 8 with Omni II, and a maximum combination of 16 with OmniPro II.

Each HAI Touchscreen Hub can support a maximum of 8 touchscreens.

**Note:** When more than 8 OmniTouch Touchscreens with Video are used with an OmniPro II, a second HAI Touchscreen Hub with Video Encoder is required (see HAI Touchscreen Hub Installation Manual for more details).

### **Connections:**

When connecting the OmniTouch Touchscreen with Video to the HAI Touchscreen Hub, insert the 8-position modular cable, coming from the touchscreen, into one of the RJ-45 connector (J1-J8) on the HAI Touchscreen Hub.

See the HAI Touchscreen Hub Installation Manual for complete installation instructions.

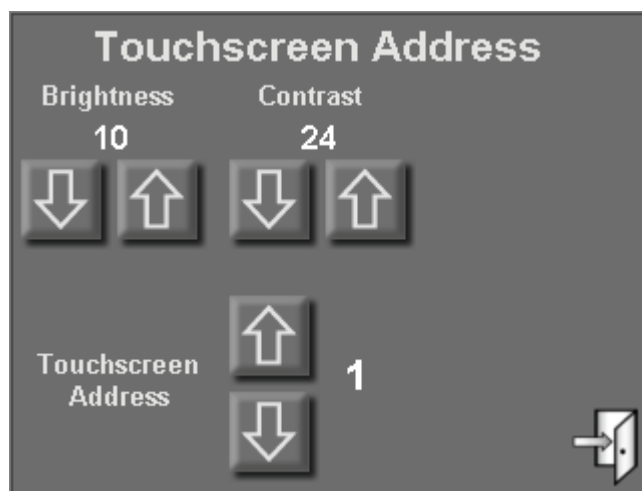
## ADDRESSING THE TOUCHSCREEN

OmniTouch with Video touchscreens are connected to the same communications bus as HAI consoles. Each console and touchscreen must have a unique address. The default address setting of the touchscreen is "1".

When power is first connected to the touchscreen, if the touchscreen isn't addressed properly (other consoles or touchscreens already occupy the touchscreen address) or isn't communicating with the controller, the following page is displayed.



To assign an address to the OmniTouch touchscreen, press and hold the HAI logo for three seconds. The "Touchscreen Address" page is displayed.



This page allows the installer to adjust the brightness and contrast of the touchscreen and assign the touchscreen address.

Press the [up arrow] button to raise the current setting and the [down arrow] button to lower the current setting. When complete, press the [exit] button in the lower-right corner to save the settings and exit.

Once the touchscreen is properly configured and communicating with the controller, other configuration items may be configured using the "Screen Setup" page. To access the "Screen Setup" page, from the Home page, touch the [Setup] icon. See the Touchscreen User's Guide (32R00-5) for additional information on these items.

**Note:** In the event of an AC Power failure and the HAI controller is running on backup battery power, the touchscreen display will be lowered to its lowest viewable setting. Do not try to adjust the "brightness" and "contrast" levels. When AC Power is restored, the touchscreen display will automatically return to its correct settings.

## **RESETTING THE TOUCHSCREEN**

If for any reason the touchscreen needed to be reset, remove the faceplate and press the reset button marked "SW1" on the circuit board below the LED.

## **SPECIFICATIONS**

Size: Backbox cutout: 5.375" W x 4" H  
Faceplate: 5.9" W x 4.6"H

LCD View Area: 3.26" W x 2.47" H

Operating Voltage: 24 VDC

Maximum Current Consumption at 24 VDC:

200 mA based on Maximum Cable Length of 800 feet

Connect Using: Cat-5 (4-pair) cable

Maximum Cable Length: 800 feet

## **FCC NOTICE**

This device complies with FCC Rules Part 15. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

Verified to comply with the limits of a Class B digital device pursuant to Part 15 of the FCC Rules.