

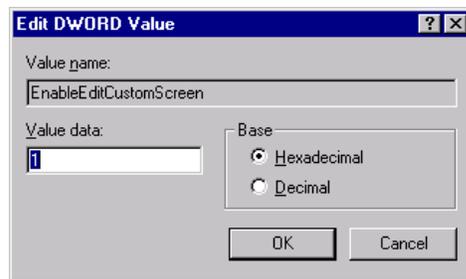
**Computer Process
Controls**

Custom Screens for UltraSite32

Adding Registry Settings

To add the to values the registry needed to turn on the Custom Screen editing tools, do the following:

- 1) Run Regedit. From the Run dialog, type Regedit, and select OK.
- 2) The Registry editor will start and you will see six branches in the tree. Expand the branch named HKEY_CURRENT_USER. Then expand the software, CPC, and UltraSite32 folders. Double-click on the option folder.
- 3) Add two values to this folder. From the Edit menu select new, then select DWORD value. A new value will appear in the folder. Enter the name EnableEditCustomScreen. Now assign a value to it by double clicking on the value name. Enter the value of 1. See example below.



- 4) Repeat step 3 to add the second value EnableEditMonScreen. Its value is also 1.

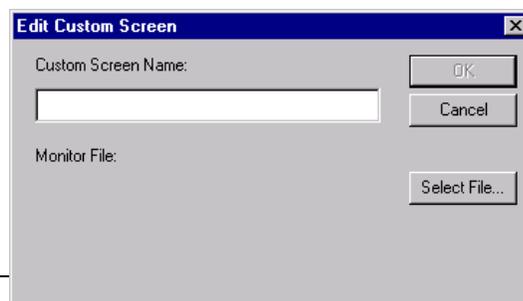
Installing Existing Custom Screens

Copy the wmf and mon files to the C:\Program Files\UltraSite32 directory and follow steps 1 & 2 for Creating Custom Screens to activate them.

Creating Custom Screens

To create a new custom screen in UltraSite the user must open an existing screen to put UltraSite in edit mode.

- 1) To attach an exiting custom screen in UltraSite, select a site you wish to work with and right-click. Select Edit Custom Screens form the bottom of the list. Press add on the dialog box that appears. The following dialog will appear.



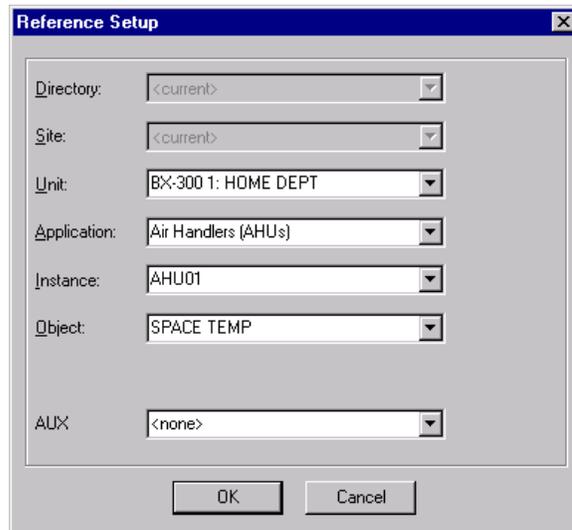
- 2) Enter in a name in the Custom Screen Name line. This can be any name. Then press the Select File button. Select the file floorpln.mon or the correct mon file if using existing files and press OK, then press Close.
- 3) Now right-click on the site again and select the custom screen name from the top of the list. The user will be prompted to connect the site, select Yes.
- 4) A generic floorplan for CPC will appear with rooftop icon on the screen. From the View menu select Edit Screen. UltraSite is now in edit mode.
- 5) From the File menu select New. Select mon document from the dialog and press enter. The user will now be transferred to a blank screen. This will be the first screen the user will create. From the File menu select Save As. Give file a name that will associate it with site being worked on. For example, Newstore.mon. Now select Close from the File menu. The user will now be back at the generic CPC screen. Press the Tree toolbar button to return to the main tree view in UltraSite.
- 6) Right click on the site being worked on and select Edit Custom Screens. The screen that was created in step 2 should appear in the box. Click on the name and press edit. Now press the Select File button and select the file that was created in step 5. Press OK and Close to return to the main tree.
- 7) Now right click on the site again and select custom screen name from the top of the list. The user will now be at the blank screen that was created in step 5. From the View menu select Edit Screen enter edit mode.

Add Backgrounds and Objects

- 1) From the Edit menu select Select Background. Enter the path for the pre-made bitmap or metafile to be used as the background. Once this is done, the background will appear. Save the file at this time.
- 2) Until the user is comfortable, creating custom screens the only instruments used will be Caption, Readout, Transfer Button, and ARTC.
 - Caption – This is a way of putting text on the screen for labeling.
 - Readout – This instrument is used to show any type of value that is programmed into the controller.
 - Transfer Button – This instrument is used to move between multiple custom screens
 - ARTC – Is only used if ARTC boards are used in the system.

All of these instruments are set up in the same general manner. As an example, from the Edit menu select Add Instrument and choose Readout. In the upper right hand corner gray box will appear.

- 3) Right click in the middle of the instrument and select Primary Value. The following dialog box will appear. The user tells UltraSite what values to display and from where.



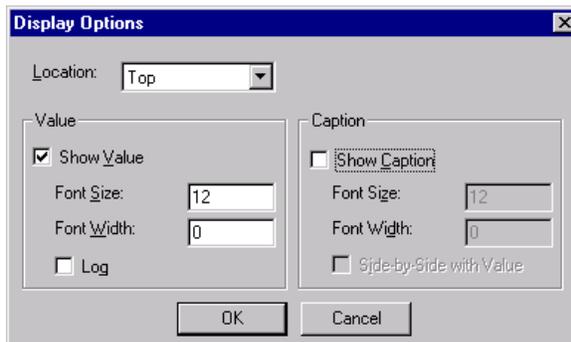
The Reference Setup dialog box contains the following fields:

- Directory: <current>
- Site: <current>
- Unit: BX-300 1: HOME DEPT
- Application: Air Handlers (AHUs)
- Instance: AHU01
- Object: SPACE TEMP
- AUX: <none>

Buttons: OK, Cancel

From the pull down menus select the values wanted and press OK. When using a transfer button do not enter anything and just press OK.

- 4) Right click on the interment again and select Value Display Options and the following dialog will appear.



The Display Options dialog box contains the following fields:

- Location: Top
- Value:
 - Show Value
 - Font Size: 12
 - Font Width: 0
 - Log
- Caption:
 - Show Caption
 - Font Size: 12
 - Font Width: 0
 - Side-by-Side with Value

Buttons: OK, Cancel

Select a location. Put check in the Show Value box. If the user wants to display a caption along with value put check in the Show Caption box. Selecting the Side-By-Side with Value will place the caption and value on the same line. If no caption is used, deselect this option. The font size and width can be changed to fit user preference. Press OK when done. If the user is using the Caption Instrument, do not select Show Value.

- 5) Right click and select caption. Enter the text to be displayed. Press OK. This option is only available if Show Caption was selected in the Display Value Options dialog.

- 6) If the instrument being used is a Transfer Button, a menu option will be available called options. When selected the following dialog will appear.



Enter in the name of the monitor screen to transfer to, example 123.mon.

This is all that is needed to create custom screens. Just keep adding instruments until everything needed is displayed. Use transfer buttons to show multiple custom screens. Remember that multiple monitor screens and backgrounds will have to be created to make use of the transfer buttons.