5617 (V1.0)
Remote Video Unit
With 15” LCD Monitor

Model Numbers

5617-P.....Post Mount w/Standard LCD
5617-SUN-P.....Post Mount w/ Sun View LCD
5617A-P.....Post Mount w/ Standard LCD and Audio Speaker & Microphone
5617A-SUN-P.....Post Mount w/Sun View LCD and Audio Speaker & Microphone

5617-S.....Side Arm Mount w/Standard LCD
5617-SUN-S.....Side Arm Mount w/ Sun View LCD
5617A-S.....Side Arm Mount w/ Standard LCD and Audio Speaker & Microphone
5617A-SUN-S.....Side Arm Mount w/Sun View LCD and Audio Speaker & Microphone

FOR TECHNICAL SUPPORT CALL 1-877-236-0245

For more complete system information see the document “5000 Series Audio/Video System Installation & Service Manual”

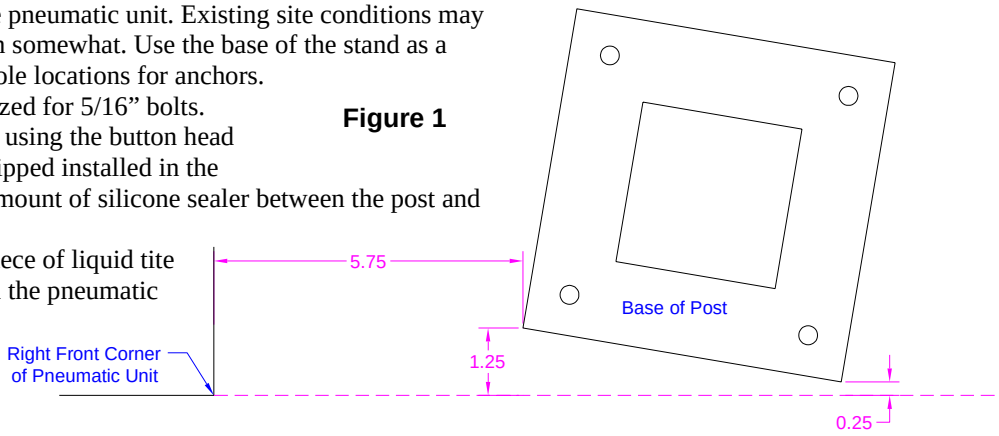
5617 Remote Video Unit Installation

The 5617 Remote Video Unit is ordered either as a post mount or side mount version. The post mount version includes a 3” (square) x 36” post. The side mount unit includes an arm for attaching to the top of a pneumatic unit. See the appropriate section for installation instructions. Each 5617 is supplied with a 12VDC, 5.5A power supply. An optional Video Power Control Kit (E0885), ordered separately, is used to control the relay board in each video head so the monitors, and optionally the cameras, can be turned off when desired. For larger installations it may be desirable to have more than one power control kit if some lanes are closed at times while other lanes are open. Optionally Hamilton Air pneumatic units that have an E0873 I/O Control Board can use an E10036 Video Power Control Cable to control the relay board in the video head. See the note below Figure 5.

Post Mount Version Installation

- The post mount 5617 should be mounted on the island to the right side of the pneumatic unit (as viewed by the customer) at a slight angle. See Figure 1 for the suggested location as referenced from the front right corner of the pneumatic unit. Existing site conditions may require shifting the location somewhat. Use the base of the stand as a template for marking the hole locations for anchors. The holes in the base are sized for 5/16” bolts.
- Attach the 5617 to the post using the button head machine screws that are shipped installed in the enclosure. Apply a small amount of silicone sealer between the post and the enclosure.
- Attach the furnished 12” piece of liquid tite tubing and fittings between the pneumatic unit and the opening at the bottom of the post. Cables will route through this tubing.

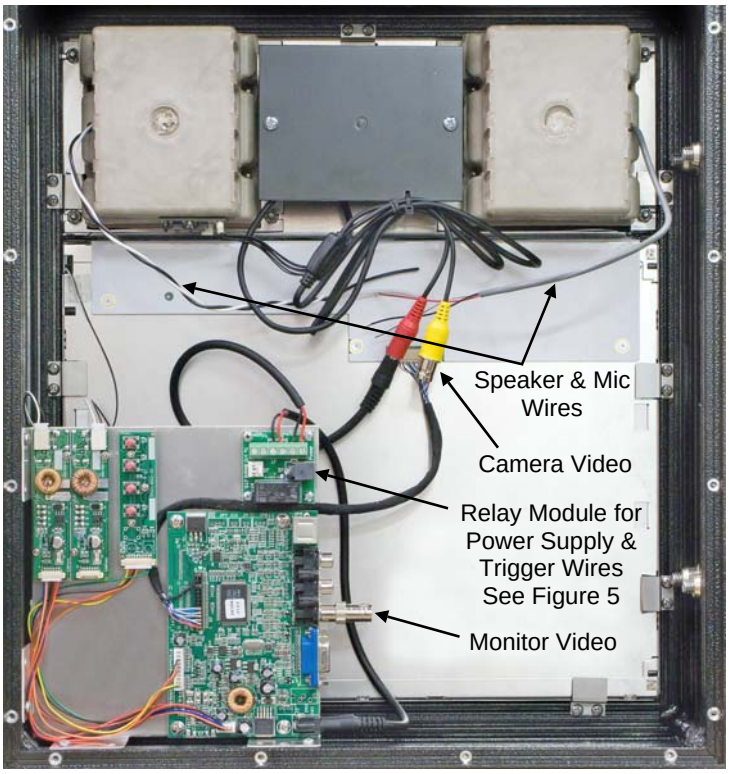
Figure 1



Side Mount Version Installation

- Use the template attached to this document to mark and drill holes in the top of the pneumatic unit.
- Attach the 5617 to the arm using the button head machine screws that are shipped installed in the enclosure. Apply a small amount of silicone sealer between the arm and the enclosure.
- Attach the arm/enclosure assembly to the pneumatic unit using the included hardware. Apply a small amount of silicone sealer between the arm and the pneumatic unit. Cables will route through the arm into the unit.

Figure 2



Wiring

Figure 2 shows the inside of a 5617 unit with the back cover removed. The photo shows a version that includes an audio speaker and microphone.

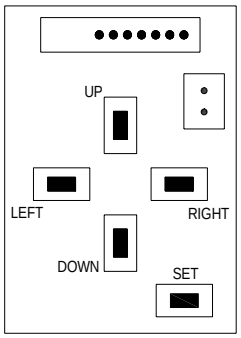
- Connect the monitor video cable to the yellow RCA connector on the main board. A BNC to RCA adapter is included for ease.
- Connect the camera video cable to the yellow BNC flying lead.
- Plug the power supply barrel connector into the side of the relay module.
- Attach the relay trigger wires to the relay module. See Figure 5. The relay can be triggered either from an E0885 Video Power Control Kit or directly from Hamilton Air units that have an I/O control board using an E10036 Video Power Control Cable. Note that when using the E10036 cable with a post mount 5617 the cable will not be long enough. In this case cut the 2 pin connector off the cable and extend the cable length. Then

attach the extended cable to the trigger terminals per the drawing. The trigger terminals and J3 on the relay module are common.

- If the 5617 includes audio, connect the speaker wires to the black/white twisted pair and the microphone wires to the shielded cable. *Note for Hamilton Air units that have an I/O Control Board: Connect the cable from the audio matrix to the control board terminal strip as usual. Cut the cables from the pneumatic unit speaker and microphone from their connectors that plug onto the control board. Attach a pigtail from those connectors to the speaker and microphone in the 5617. Having the speaker and microphone in the 5617 attached to the control board in the pneumatic unit will allow the mute circuit to work properly.*
- Once the unit is powered up adjust the camera vertically in its bracket to achieve the desired viewing angle. If the unit is not yet connected to the video matrix you can use a BNC patch cable to temporarily connect the camera to the monitor. *Note: If the video power control kit in the teller area is not yet installed or turned on, it will be necessary to temporarily move the video power wires from the switched to the unswitched terminals of the relay board to test the video unit (see Figure 5).*
- The camera has been adjusted at the factory but a menu board allows settings to be changed if needed. See Figure 3 for an explanation of the menu buttons. If focusing is required, loosen the small set screw and then rotate the lens to the desired focus. Snug the set screw when finished but do not over tighten to avoid creating a dimple in the lens threads making future fine adjustments difficult.
- The monitor has been adjusted at the factory but a menu board allows settings to be changed if needed. See Figure 4 for an explanation of the menu buttons.

Camera Menu Board

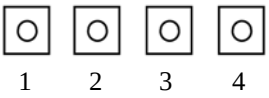
Figure 3



SET: Used to enter the OSD menu and select menu or submenu items.
UP: Used to move up a line in a menu or submenu.
DOWN: Used to move down a line in a menu or submenu.
LEFT: Used to change setting values.
RIGHT: Used to change setting values.
Tip: Selecting "Reset" from the "Special" menu returns all settings to their factory values.

LCD Menu Board

Figure 4



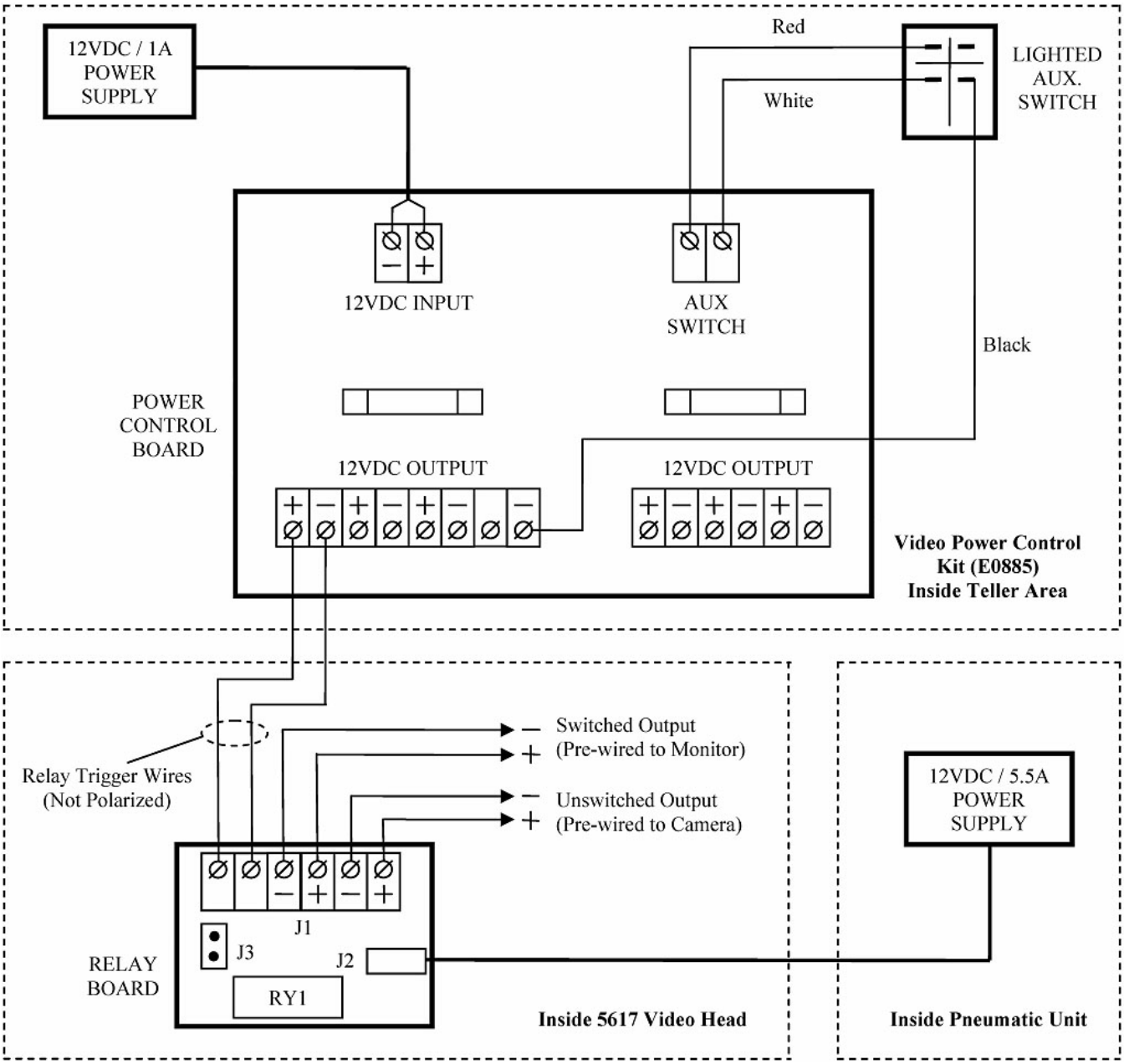
1) Used to move up a line in a menu / submenu and to increase a setting value.
2) Used to enter the OSD menu, select menu / submenu items and accept changes to setting values.
3) Used to move down a line in a menu / submenu and to decrease a setting value.
4) Not used – this button may not be installed on the menu board.

Tip: Selecting "Reset" from the "Misc." menu returns all settings to their factory values. Note that the menu will not display if no input signal is present.

E0885 Video Power Control Kit Installation

The E0885 kit should only be used to control the power through the relay boards in the 5617 video units as shown. **DO NOT attempt to power video units directly with the power control kit.** Follow the wiring diagram in Figure 5. Wire gauge for the relay trigger wires is not critical since the current draw for each relay coil is only 22ma. Be sure to follow the color code when connecting the lighted switch to the control board. The switch can be mounted in any suitable location in the teller area.

Figure 5



Important Note: Newer Hamilton Air units that have an E0873 I/O Control Board do not require the Video Power Control Kit. For these units use a Video Power Control Cable (E10036) to connect the I/O Board in the pneumatic unit to the Relay Board in the 5617. The 3 pin connector on one end of the cable connects to J15 on the I/O Board and the 2 pin connector on the other end of the cable connects to J3 of the Relay Board in the 5617. The Night Lock switch for the pneumatic unit will control the power to the relay coil which in turn will control power to the LCD Monitor.