

Description

The **Vigil Nurse Call Stations** are electronic stations designed for use with the **Vigil Nurse Call System**. **Call Stations** are splash resistant and suitable for mounting in resident rooms, dining rooms, common areas and corridors. The Call-Cancel Station has a touch sensitive green CALL button with call-placed LED. The Call-Assist Station has a CALL button as well as a yellow ASSIST button with separate call-placed LED. The Emergency Push Station has a red EMERGENCY button with call-placed LED. All stations have a touch sensitive, CANCEL button to cancel the call at the point of origin. A pendant socket is provided for optional call cord connection.



Figure 1.0 Physical Appearance

Operation

When the tactile CALL, ASSIST or EMERGENCY button is pressed the call placed LED in the right corner of the button illuminates. The call output becomes active and a signal is sent to the central equipment via the Vigil Network. The appropriate call is activated and staff are alerted via silent alphanumeric pagers or text messaging enabled phones. A staff member cancels the call by pressing the cancel 'C' button on the call station. When a call is cancelled the LED extinguishes and the call output becomes inactive. **This device should not be operated or installed by untrained personnel. Training will be provided by Vigil Health Solutions Inc.**

Care

- For connection of Vigil supplied call cords only
- Do not plug any other devices into the pendant socket
- Clean faceplate with damp cloth and mild detergent. Do not immerse in water.

Mounting Instructions

The Vigil Call Station is mounted flush with the wall in a standard single gang electrical wall box (minimum depth 2"). Call stations are typically mounted at the head of the bed and located within easy reach of residents and staff. The recommended height for call station mounting is 120cm or 48" from the floor. Exact placement will be determined by the owner.

Wiring and Connections

The call station is connected to the Data Interface Module via 4-conductor Station Z cable. Both ends of the cable are terminated using RJ 11 4-pin modular plugs. The device end is plugged into the socket marked OUTPUT on the rear of the nurse call station. The other end of the cable is then plugged into the Data Interface Module in the auxiliary input sockets of a Vigil DIM or in any of the sockets on a Nurse Call DIM.

Installation Instructions

The installation instructions must be closely followed to ensure that the user will achieve optimal use of the system. Vigil Health Solutions Inc. will make available on request electrical diagrams, floor plans and/or descriptions pertaining to the installation.

1. Terminate both ends of the Station Z cable according to the drawing, using RJ 11 4-pin modular plugs. The connection between the nurse call station and Data Interface Module is straight through.
2. Plug the device end of the cable into the socket marked OUTPUT on the back of the nurse call station.
3. Remove the surrounding faceplate to view mounting screws and mounting holes.
4. Mount the nurse call station in single gang wall box with supplied screws.
5. Snap the surrounding faceplate back on.
6. Plug the other end of the cable into the appropriate socket of the Data Interface Module. Ensure the cable is labeled with the correct socket number.

* If connecting a Nurse Call-Assist Station to the DIM, the second signal (assist) uses the input next to the socket that the station is plugged into. For example, a Nurse Call-Assist Station plugged into socket 13 would activate input 13 when the call button is pressed and activate input 14 when the assist button is pressed. Do not plug another station into socket 14.

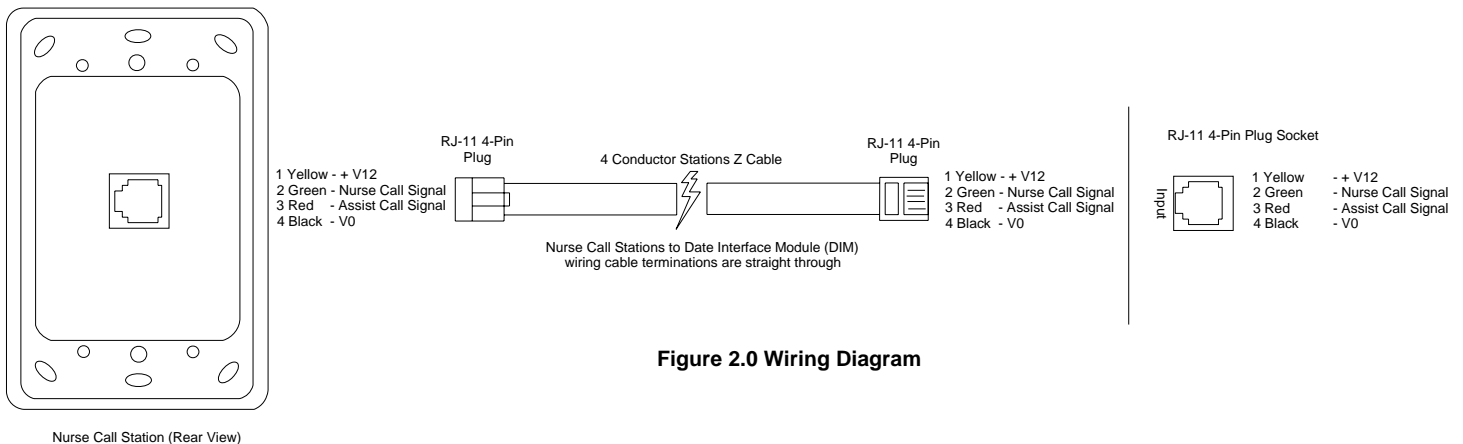



Figure 2.0 Wiring Diagram

Testing Instructions

Test the Call Station using the Vigil System Test Unit and a pendant call cord.

1. Connect the Vigil System Test Unit to the Data Interface Module (DIM) connected to the Call Station you are testing. Ensure the DIM is not connected to the network.
2. Set the TEST MODE switch on the Test Unit to TX (transmit). Set the address switches on the System Test Unit to match the DIM address. See the *Vigil System Test Unit Operator's Manual* for full instructions on using the System Test Unit.
3. Turn the INTERNAL BATTERY switch to the ON position.
4. Plug the 6.5mm stereo plug (¼ " phone plug) of the pendant call cord into the pendant socket on the call station.
5. Press the Call or Emergency button on the station. Ensure that the LED on the station illuminates to indicate that the call switch has been activated and that the unit is receiving power. The corresponding input LED should also illuminate on the System Test Unit. Press the cancel button "C" to deactivate the station. Ensure that the LED's on the station and the System Test Unit extinguish.
6. Press the button on the call cord. The LED next to the CALL or EMERGENCY button should illuminate and the corresponding input LED on the System Test Unit should also illuminate. Press the cancel button "C" to deactivate the station. Ensure that the LED's on the station and the System Test Unit extinguish.
7. Where applicable, press the Assist button and ensure the Assist LED's on the station and on the System Test Unit illuminate. Press the cancel button to deactivate the Assist call and ensure that both LED's extinguish.

Specifications

PHYSICAL		ELECTRICAL	
Height	117mm (4 9/16")	Operating Voltage	10-15 Volts DC
Width	76mm wide (3")	Maximum Voltage	15 Volts DC
Depth	13mm in front of panel (2" total)	Standing Current	11mA at 12V DC
	12mm behind panel + 10mm for cable	Call Active Current	21mA maximum
Faceplate	High impact white plastic enclosure		
Mounting	Mount on single gang wall box using supplied screws	Output Transistor	Open collector with 100 ohms series protection resistor
Temperature Ratings  Operating: Storage/ Transport	-55°C to 125°C (-67°F to 257°F) -55°C to 125°C (-67°F to 257°F)		
Relative Humidity Operating: Storage/ Transport:	30% to 75R 10% to 100%, including condensation		

CLASSIFICATIONS		CONNECTIONS	
EMC	Conforms to EMC EN60601-1-2.	Connection at Device End	RJ11 4 pin modular plug
CE Classification	Fixed: Continuous Operation	Connection at DIM End	RJ11 4 pin modular plug
	Certified to CAN/ CSA Std. C22.2 No.205	Cable	4 conductor Station Z Cable
		Call Cord Connections	¼ inch phone (6.5mm stereo) jack
	Conforms to UL Std.1069	Tip	V12 signal with 1K ohm pull up resistor
		Ring	Call signal. A call is generated when the signal is pulled to V12. 1K ohm resistor for isolation.
		Sleeve	Not used