

Description

The Corridor Light (CL2) is designed for use with the Vigil Nurse Call System. The LED indicators on the Corridor Light are intended to display the status of associated Nurse Call inputs to the Vigil System. Each time an associated nurse call input is enabled the corresponding LED should become active. The Corridor Light is provided with two domed LED's colored red and green, and can display four possible different states, flashing or steady on each of the two LED's. Only two states can be displayed at any one time and the flashing states are the priority signals. Corridor Lights are connected to the output sockets of the Data Interface Module and are configured using the supplied jumpers on the Data Interface Module.



Figure 1.0 Physical Appearance

Operation

When an input device such as a nurse call station is activated (goes to low resistance), the associated LED illuminates or flashes. When the input is reset (goes to high resistance), the associated LED extinguishes. **This device should not be operated or installed by untrained personnel. Training will be provided by Vigil Health Solutions Inc.**

Care

- Clean faceplate with damp cloth and mild detergent. Do not immerse in water.

Mounting Instructions

The Corridor Light is mounted on a single gang electrical box in the corridor of a facility containing Vigil Nurse Call components. The Corridor Light may be mounted vertically on the wall in a standard single gang electrical wall box (minimum depth 2") facing the hallway or may be mounted on the ceiling with the faceplate facing downward. If mounting on the wall it is recommended that the corridor light be centered between the ceiling and the top of the doorframe. Typically, the Green LED is on top and the Red LED is on the bottom, however, exact placement will be determined by the owner.

Wiring and Connections

The Corridor Light is connected to the Vigil Data Interface Module via 3 pair CAT 3 cable. Both ends of the cable are terminated using RJ 11 6-pin modular plugs. The device end is plugged into the RJ socket on the rear of the Corridor Light. The other end of the cable is plugged into the output socket of the Data Interface Module. Jumpers are used to configure which input will activate which LED and which state. In the default state a corridor light connected to output 1-4 will be activated as follows:

- Input 1 Active - Steady Red
- Input 2 Active - Steady Green
- Input 3 Active - Flashing Green
- Input 4 Active - Flashing Red

This configuration will be consistent for inputs 5-8, inputs 9-12 and inputs 13-16.

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 3 pair CAT 3 cable using RJ 11 6-pin modular plugs as shown in Figure 2. The connection between the corridor light and Data Interface Module is straight through.
2. Plug the device end of the cable into the socket on the back of the corridor light.
3. Remove the surrounding faceplate to view mounting screws and mounting holes.
4. Mount the corridor light in a 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 output socket of the Data Interface Module. Ensure the cable is labelled with the correct socket number.

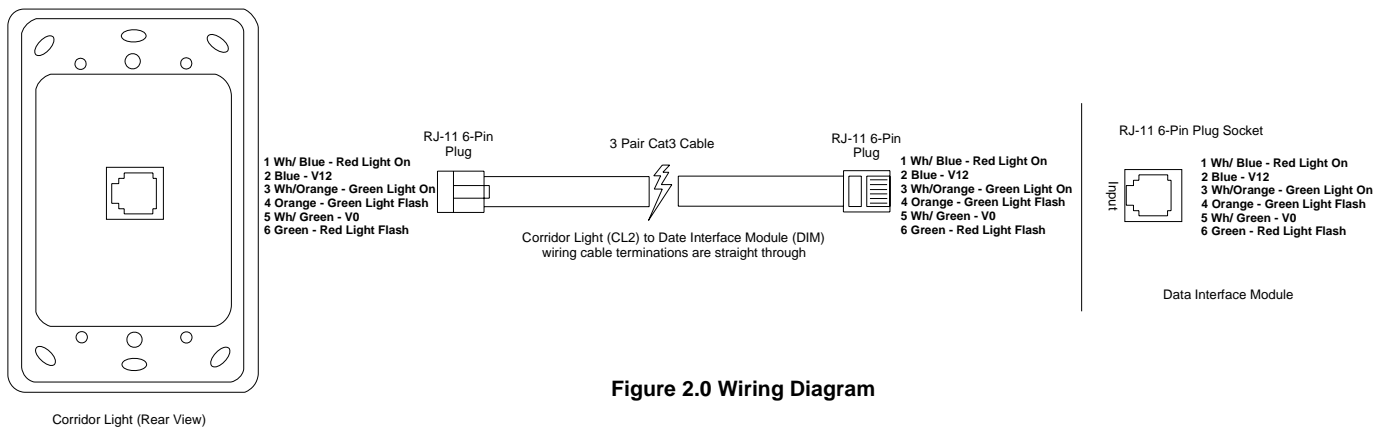


Figure 2.0 Wiring Diagram


Testing Instructions

Test the Corridor Light using the Vigil System Test Unit and a nurse call station with connection cable.

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 nurse call station into the first input relating to that output. For example, if the corridor light is connected to output 1-4 plug the nurse call station into input 1.
5. Activate the nurse call station and observe the corridor light. In the default state the red LED should illuminate and appear steady. Deactivate the nurse call station and ensure the LED on the corridor light extinguishes.
6. Plug the nurse call station into the next input. In the default state the green LED should illuminate and appear steady. Deactivate the nurse call station and ensure the LED on the corridor light extinguishes.
7. Repeat for the remaining inputs.

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	Inputs	1 MΩ Input protection resistor
Temperature Ratings			
Operating:	-55°C to 125°C (-67°F to 257°F)		
Storage/ Transport:	-55°C to 125°C (-67°F to 257°F)		
Relative Humidity			
Operating:	30% to 75%		
Storage/Transport:	10% to 100%, including condensation		

CLASSIFICATIONS		CONNECTIONS	
EMC	Conforms to EMC EN60601-1-2.	Connection at Device End	RJ11 6 pin modular plug
CE Classification	Fixed: Continuous Operation	Connection at DIM End	RJ11 6 pin modular plug
	Certified to CAN/ CSA Std. C22.2 No.205	Cable	3 pair Category 3 cable
	Conforms to UL Std.1069		