Vigil® CANBus Corridor Light (WCL2)

Description

The **CANBus Corridor Light (WCL2)** receives call messages from hardwired and wireless devices such as WRX and WSRX via the network cable (CANbus). The CANBus Corridor Light has two dome LEDs that will illuminate in a different colors depending on the call raised

Operation

The **CANBus Corridor Light (WCL2)** is installed in hallways and corridors where staff can visibly see the status of the lights. CANBus Corridor Lights are used to indicate that a call has been activated in a room or area and to identify which type of call based on the color and state of the light. The CANBus Corridor Light will display the two highest priority call types at any given time. The highest priority call will appear on the top light and the next highest on the bottom light. As calls are cancelled, less important calls will move up into visibility until all calls have been cancelled. The table below describes the light color and state associated with each type of call. The Vigil Software is used to associate the appropriate CANBus Corridor Light with the appropriate wired or wireless transmitting device. One wireless transmitter may activate up to two WCL2s.

Device	Call Type	Color
Pendant (WPTX01)	Pendant Call	Green
Nurse Call/Assist (WNCA01)	Nurse Call	Green
	Assist Call	Green Blink
	Pendant Out	White
Emergency Pull (WEP01)	Emergency Call	Red
Bed Sensor Outlet (WBSO01)	Out of Bed Call	Yellow Blink
	Wet Bed Call	Yellow
	Sensor 1 out	White
	Sensor 2 out	White
Contact Transmitter (WCTX01)	Contact 1 Active (smoke or door alarm)	Red Blink
	Contact 2 Active (smoke or door alarm)	White Blink
	Opto-isolator Active (smoke or door alarm)	Red Blink

Mounting Instructions

- Mount using a standard single gang wall box or trim ring. CANBus Corridor Lights may be located on the wall above the door or on the ceiling facing downward.
- Mount the corridor light so that the logo on the circuit board is at the top. It is important to mount with the correct orientation, as higher priority calls will be displayed on the top LED.

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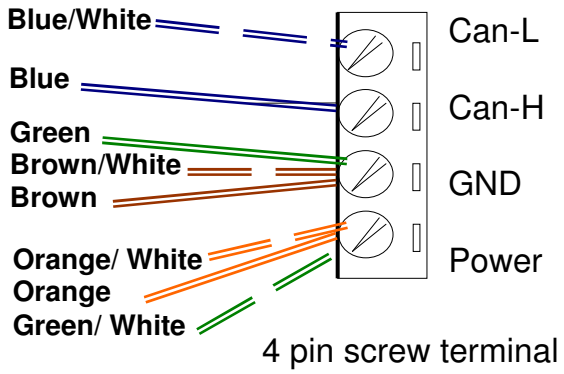
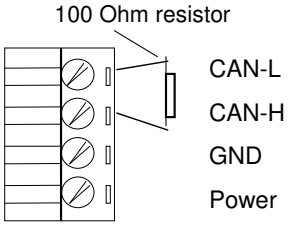
Wiring and Connections



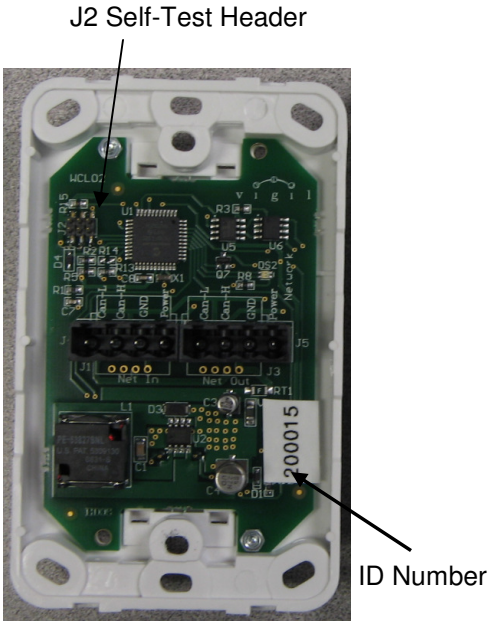
Conductor	Use
Blue / White	Can-L
Blue	Can-H
Green	GND
Brown/ White	GND
Brown	GND
Orange/ White	Power (+24 VDC)
Orange	Power (+24 VDC)
Green/ White	Power (+24 VDC)

Installation Instructions

1. Terminate CAT5 cables on 4-pin screw terminal plugs as shown above. Ensure cables are labelled appropriately.
2. Check the connections and the wire colors to make sure they are all correct. Plug the cable coming from the direction of the central equipment into the header marked “Net In” and plug the cable going to the next receiver or WCL into the header marked “Net Out”. If the WCL2 is at the end of the run, connect a 100 Ohm resistor between Can-h and Can-L on the 4-position screw terminal plug (as shown in the right) and plug it into the header marked “Net Out”.



3. Record the ID number of the station for programming. The ID number appears on the back of the station to the right of the headers.
4. Remove faceplate surround and mount station in wall box using suitable screws. Replace faceplate surround.



5. Refer to the ***Vigil Remote Software Manual*** for instructions on configuring the corridor light to work with wired and wireless devices.

Self-Test Mode: Place a jumper between the middle 2 pins of J2 on the board and connect the cable coming from the direction of the central equipment into the header marked “Net In”. The front light will flash through red, green, yellow and then white. **Please remember to set the WCL2 back to normal mode** and reset power to the WCL2 to take effect. (Unplug the connector, remove the jumper, plug the connector back).

Specifications

PHYSICAL		**ELECTRICAL**	
Height	117mm (4 9/16”)	Operating Voltage	5.0VDC
Width	76mm wide (3”)	Input Voltage	10-40VDC
Depth	13mm in front of panel (2” total)	Standing Current	15mA
	12mm behind panel + 10mm for cable	Maximum Current	30mA
Faceplate	High impact white plastic enclosure	Connections	4 - position screw terminals
Mounting	Mount on single gang wall box using supplied screws	Cable	CAT5E 4 Pair 24AWG
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)		

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