

OMNIWATCH NURSE CALL-LIGHT MONITOR



CONTROL PANEL

Retrofits existing call-light systems

Expandable from 32 to 288 inputs

Optocoupler inputs provide electrical isolation

Battery backup power

Up to 30 control panels can be networked to 1 computer for call-light activity reports.

Omniwatch retrofits existing nurse call-light systems to provide computer reporting of call light activity.

The Omniwatch system consists of a control panel, installed at each nurse station, and a Windows software program which runs on an IBM compatible computer.

Computer: A computer with a serial port, which is already at the facility, is used.

Computer wiring: A 2 pair level 3 data cable is looped between each control panel and the serial port on the computer. There is a WIFI networking option for sending the data back to the computer.

Call-light wiring: A wire is connected from the Omniwatch control panel to each annunciator lamp of the call-light system. Omniwatch will accept an input of 12 to 30 volts AC or DC.

Control panel power: The control panel is powered by a 12 volt AC plug in wall transformer.

Optional items

Radio paging: An inhouse radio paging system can be added. When a call-light is activated, this will send the room number to a pocket pager.

Call Display and Email: The control panel can be connected to a computer for showing the calls in real time. This computer can also send an email to a cell phone. This computer can be connected using a serial cable or with WIFI networking using an adapter.

Nurse-Call Radio Paging Interface



CONTROL PANEL

- Expands up to 288 inputs
- All inputs opto-coupler isolated
- Will accept inputs of 12V - 30V AC or DC
- Programmable recall time
- Programmable manager page

Initiate pages from:

Nurse call lights

Door alarms

Any device that outputs 12 - 24V

Optional computer reports:

Now available with the Omniwatch software to produce management reports of call light activity. Can be configured with or without radio paging with this option.

A radio paging interface that will take any alarm input and send a message to an on-site pager. Each input is programmed, by a computer, with a message and the pager number to send to. It is also possible to set up an alternate pager number, that will receive a page when any input is activated. A manager pager can also be set up to receive a page if the alarm condition is still on after a user programmable length of time after a page and one recall.

For nurse-call applications each input can be set to detect if the call is normal or emergency and send this information to the pager.

Since all inputs are opto-coupler isolated, A combination of input devices such as nurse-call and door alarms could be used.

Uses either TEK, Comp2 or TAP/PET protocol for On-Site paging equipment..

Examples of printouts from the Omniwatch Nurse Call Monitor

Average Response Time per Shift in Minutes from 6/01/12 to 6/30/12					
Station	Shift 1	Shift 2	Shift 3	Total	Calls %
1 First Floor	1.8	1.4	1.0	1.5	20
2 Second Floor	3.9	2.6	2.2	3.0	62
3 Third Floor	3.0	1.9	1.9	2.3	18
Total average for shift 1	3.3	Calls	4491		
Total average for shift 2	2.3	Calls	4301		
Total average for shift 3	1.9	Calls	2479		
Total average is	2.6	Total Calls	11271		
Total calls for each station and shift					
Station	Shift 1	Shift 2	Shift 3	Total	Calls %
1 First Floor	929	738	552	2219	20
2 Second Floor	2839	2735	1479	7053	62
3 Third Floor	723	828	448	1999	18

The average response time and calls for each nurse's station and shift is printed for any date range desired.

Nurse Call Monitor summary by room activity from 6/1/12 to 6/30/12						
Room	Calls	Average Response Time	[calls] average time			
			Shift 1	Shift 2	Shift 3	
224	567	3.1	[160] 4.4	[176] 3.6	[231] 1.8	
228	517	3.4	[140] 4.5	[175] 4.0	[202] 2.0	
239	514	2.7	[159] 2.7	[215] 3.3	[140] 1.8	
212	414	2.3	[128] 2.2	[173] 2.9	[113] 1.5	

This report is a summary by room and is sorted by the number of calls for each room. It can also be printed by the order of rooms. Calls and response time is also shown by shift.

Nurse Call Monitor list of all data on 6/1/12

Date	Time	Room	Elapsed Time	Shift
6/1/12	12:54 AM	103	0:47	3
6/1/12	02:24 AM	109	1:36	3
6/1/12	04:21 AM	100	5:31	3
6/1/12	05:05 AM	102	2:14	3

List of all data in the order it was recorded. Any elapsed time over 3 minutes is shown in bold. This report can be printed for any or all stations and for any date range desired.

Nurse Call Monitor list of all data for room 329 on 6/8/12

Date	Time	Elapsed Time	Shift
6/8/12	09:13 AM	9:53	1
6/8/12	09:30 AM	2:59	1
6/8/12	02:43 PM	5:00	1
6/8/12	05:36 PM	0:51	2

Total calls for room 329 is 4. Average time is 4.7 min.

This report is a list of all calls received for a particular room during a specified date range.

Nurse Call Monitor summary by time for all stations from 6/1/12 to 6/30/12

Time	Calls	% under 3 Min.	% of Total
6 PM	534	66.9	5.6
8 AM	530	68.7	5.6
7 PM	500	69.0	5.2
9 PM	500	72.2	5.2

This report shows calls by the hour of day and is sorted by the number of calls. It also be printed by hour of day order. This can be printed by station or for all stations.