ROOM CONTROLLER · TCM-NC8100 SERIES

TCM-NC8102GW

Network Nurse Call Controller

One controller per room: VVIP (1 bed) or VIP (2 beds).

1 / 2 Room | **SLA / KPI**



10/100M LAN RJ45	**RS485** Corridor lamp	**2 Beds** VIP / VVIP	**3 Calls Button** Per bed unit	**Presence** Response log	**12 V 5 A** DC power	**Metal** Key-lock box

DESCRIPTION

The **TCM-NC8102GW** is a network nurse call controller for one patient room: VVIP with one bed or VIP with two beds. It collects every call in the room (bed units, bathroom emergency and staff presence) and reports it over a 10/100M LAN to the TCM-BGM9000Pro or TCM-NCS8100M nurse call server. An RS485 port drives the corridor lamp.

Staff presence cancels the call at the bedside and records the response time, giving the Nurse Call module the data for SLA and medical-staff KPI reports.

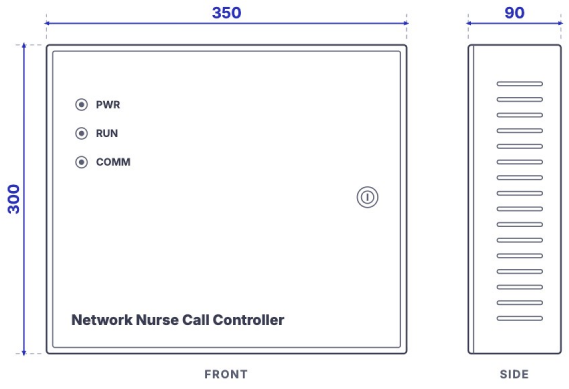
FEATURE

- One controller per room: VVIP (1 bed) or VIP (2 beds)
- Bed unit input, 3 call types: Call, Code Blue, Assistance
- Code Blue button has the highest call priority
- Bathroom emergency call input
- Staff presence input: confirms arrival, cancels the call
- Multicolour corridor lamp output via RS485
- 10/100M Ethernet link to the nurse call server
- Response-time logging for SLA / KPI reports
- 12 V DC 5 A, key-lock metal cabinet, status LEDs

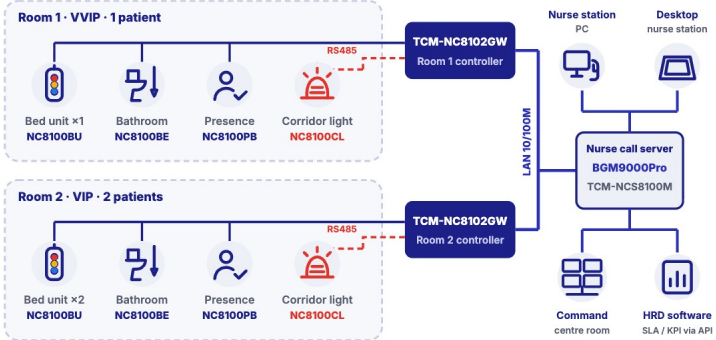
TECHNICAL SPECIFICATION

MODEL	TCM-NC8102GW		
Application	1 room: VVIP (1 bed) or VIP (2 beds)		
Network	1 × RJ45, 10/100M Ethernet (LAN)	**Protocol**	TCP/UDP, HTTP API to the server
Data Port	1 × RS485, corridor light protocol	**Output**	Corridor lamp via RS485 (TCM-NC8100CL)
Bed Unit Input	2 × TCM-NC8100BU (3 buttons each)	**Bathroom Input**	1 × emergency call (TCM-NC8100BE)
Presence Input	1 × staff presence (TCM-NC8100PB)	**Status LEDs**	PWR, RUN, COMM
Lamp Colours	Red: Call · Yellow: Assistance · Blue: Code Blue · Green: Staff presence		
Server	TCM-BGM9000Pro / TCM-NCS8100M	**Power Supply**	12 V DC, 5 A with battery backup
Enclosure	Metal wall-mount cabinet, key lock	**Dimensions**	350 × 300 × 90 mm (W × H × D)
Weight	3.6 kg	**Operating Temp.**	5 – 55 °C
Storage Temp.	−20 – 70 °C	**Humidity**	45 – 60 % RH, non-condensing

DIMENSION (mm)



SYSTEM & APPLICATION



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