

# GNT | DATASHEET

## CONTROLLER

VERS 3.0

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info@vis.solutions.  
www.vis.solutions



## LOGIC ROOM CONTROLLER

### RCU48IN16RL

# OVERVIEW

Designed to accelerate your return on investment with an easy to install and commission room controller and designed to bring hotel automation to another level.

The unit includes lighting, curtain, power supply, DND/MUR avoiding the cabling of traditional auxiliary power contactors. This enables the installer to reduce cabling costs and the dimensions of electrical panels and a time proof installation, so guaranteeing efficiency and energy saving.

Thanks to the RLG Tool Kit software-based programming tools, complex algorithms such as Welcome, Goodbye, and other scenarios can be set or changed at any time, during the early stages of the project's design or during the installation process through the remote profiling of RCU.

The RJ45 port connects the device to the GRMS ethernet network and local appliances and is fully configurable with all inputs and outputs.

The controller integrates perfectly with the main PMS system through GRMS server. **(Server by server)**

All existing clients of VIS SOLUTIONS can benefit from a quick upgrade of their current software and control solutions.

## TECHNICAL SPECIFICATIONS.

Product name	RCU48IN16RL
Fields of application	Hospitality
Supply voltage	12VDC-2A
Digital Input	16 Port RJ45 (3 inputs Opto-isolate/1 port with led indicator). <b>Special Input for key cardless solutions</b> <ul style="list-style-type: none"> <li>- <b>Port 1:</b> I1.1 Welcome, I1.2 Welcome night/Sensor input, I1.3 Unoccupied.</li> <li>- <b>Port 2:</b> I2.1 Bell press, I2.2 DND, I2.3 MUR.</li> <li>- <b>Port 3:</b> I3.1 DND, I3.2 MUR, I3.3 free programable.</li> </ul> <b>Special Input for key card solutions</b> <ul style="list-style-type: none"> <li>- <b>Port 1:</b> I1.1 Keycard, I1.2 3 free programable, I1.3 Unoccupied</li> <li>- <b>Port 2:</b> I2.1 Bell press, I2.2 free programable, I2.3 free programable.</li> <li>- <b>Port 3:</b> I3.1 DND, I3.2 MUR, I3.3 free programable.</li> </ul>
Digital outputs (Relays)	16 SPST-10A@250V PF = 1 (NO) <ul style="list-style-type: none"> <li>- 10A for control relay (Y1....Y14)</li> <li>- <b>10A – High inrush current 120A 20ms</b></li> </ul>
Port	1 x RJ45 Ethernet port (Modbus TCP/IP, UDP). 1 x CAN BUS. 1 x RS485 1 x DMX GATEWAY
Terminal block	Pluggable type terminals. Screw type connectors, 1.5mm <sup>2</sup> -2.5mm <sup>2</sup>
Dimensions (W x H x D) mm	160 x 90 x 60 mm
Weight	2,3 Kg. (~)
Operating temperature	-20 to 60° C (-4 to 140° F)
Storage temperature	-30 to 70° C.
Relative humidity	5 to 95% - no condensation
IP degree of protection	IP20
Standards	EN IEC 62368-1:2020+A11:2020 EN IEC 55032:2015+A11:2020 EN IEC 55035:2017+A11:2020 EN IEC 61000-3-2:2019+A1:2021 EN 6100-3-3:2013+A1:2019+A2

Housing material	Plastic
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**Important notes:**

- Do not short circuit input cable when power supplied.
- Cable uses CAT5/CAT6 for input port.

For more detail about our product.

Email: [bang.nguyen@vis.solutions](mailto:bang.nguyen@vis.solutions)

Tel: +84-932414151

Website: <https://www.vis.solutions> or <https://gnts.us>

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