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PHILIPS RS-232 PC Node Network Gateway Instruction Manual

May 26, 2025

RS-232 PC Node Network Gateway

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Product Specifications:

- Model: PD-232N RS-232 PC Node
- Input Voltage: 12-24 V
- Current: 50 mA
- Interface: RS-232, RS-485 DyNet
- Compliance: IEC Overvoltage Category III, IEC Pollution Degree II 3
- Wire Compatibility: 0.3-2.5 mm2 (22-12 AWG)
- Dimensions: 76 mm x 70 mm x 24 mm
- Weight: 0.4 Nm (3.5 Lb-in)

Product Usage Instructions:

Installation:

Devices must be installed by a qualified electrician in accordance with all national and local electrical and construction codes and regulations. Ensure compliance with IEC 60364 for home and building automation systems.

Connection:

Connect the PD-232N to the power source within the specified voltage range. Use appropriate communication wires within the current-carrying capacities specified in IEC 60364-5-52.

RS-232 Connection:

For RS-232 connection, use the provided DB9 female socket. Connect according to the pinout: 1 – LOOP, 2 – TX, 3 – RX, 4 – DTR, 5 – GND, 6 – LOOP, 7 – NC, 8 – NC, 9 – LOOP.

RS-485 Connection:

Connect the RS-485 DyNet interface using the designated terminals: +V DD+, GND, SHLD. Use compatible wire sizes for optimal performance.

LED Indicators:

The device features LED indicators for DyNet Data and Power status. Monitor these indicators for system feedback.

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Frequently Asked Questions (FAQ):

Q: What are the recommended wire sizes for connecting the PD-232N?

A: The recommended wire sizes are between 0.3-2.5 mm2 (22-12 AWG) to ensure proper functionality.

Q: How should I connect the RS-232 interface?

A: Connect the RS-232 interface using the provided DB9 female socket with the specified pinout configuration.

Q: What compliance standards does the PD-232N adhere to?

A: The PD-232N complies with IEC Overvoltage Category III and IEC Pollution Degree II 3 for safe and reliable operation.

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PD-232N RS-232 PC Node

Installation Instructions

Instructions d'installation Installationsanweisungen Instrucciones de instalación Istruzioni per l'installazione Installatie-instructies

Devices must be installed by a qualified electrician in accordance with all national and local electrical and construction codes and regulations.

Les appareils doivent être installés par un électricien diplômé conformément à tous les codes et réglementations électriques et de construction nationaux et locaux.

Die Geräte sind von einem qualifizierten Elektriker in Übereinstimmung mit allen geltenden Vorschriften zu installieren.

Los dispositivos deben ser instalados por un electricista calificado y cumpliendo todas las normas y regulaciones, tanto nacionales como locales, sobre instalaciones eléctricas y obras.

I dispositivi devono essere installati da un elettricista qualificato in conformità con le norme locali e nazionali vigenti in materia di costruzioni edilizie e installazione di impianti elettrici.

De apparaten moeten worden aangebracht door een gekwalificeerde elektricien en in overeenstemming met alle nationale en plaatselijke elektriciteits- en bouwvoorschriften.

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76 mm (3 in)

RS-232
1

12-24 V 50 mA
RS-485 DyNet SELV / Class 2 (UL)

IEC Overvoltage Category III

x 4

70 mm (2.76 in)

24 mm (0.94 in)

SHLD GND D+ D+V

RS-485

GND
54321 9 87 6

LED Indicators

DyNet Data Power

50º C (122º F)

90%

0º C (32º F)

RS-232 DB9 Female socket
1 – LOOP 2 – TX 3 – RX 4 – DTR 5 – GND 6 – LOOP 7 – NC 8 – NC 9 – LOOP

2
RS-232

RS-485 DyNet
+V DD+ GND SHLD

0.3-2.5 mm2 22-12 AWG

0.4 Nm 3.5 Lb-in

To control network

RS-232
IEC Pollution Degree II 3

DyNet

RS-232

FCC and RSS-210 of IC (Industry Canada) Rules This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules and pursuant to RSS210 of the IC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference

to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help. Any modifications not approved by the manufacturer of this device could void the user's authority to operate this device.

This Class B digital apparatus complies with Canadian ICES-003: CAN ICES-3(B)/NMB-3(B). Cet appareil numerique de la Classe B est conforme a la norme NMB-003 du Canada: CAN ICES-3(B)/NMB-3(B).

Installation of a home and building automation and control system shall comply with IEC 60364 (all parts). The temperature limits and current-carrying capacities for the communication wires specified in IEC 60364-5-52 shall not be exceeded.

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AZZ 609 0325 R03

Documents / Resources

[PHILIPS RS-232 PC Node Network Gateway](#) [[pdf](#)] Instruction Manual
RS-232 PC Node Network Gateway, RS-232 PC Node, Network Gateway
, Gateway

References

- [User Manual](#)

🏷 gateway, Network Gateway, Philips, RS-232 PC Node, RS-232 PC Node Network

📁 Philips   Gateway

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