0A. INCL. IN DELIVERY

0B. STORAGE + OPERATION

-20 °C ... +70 °C

95% RH

0% RH

0 ... +50 °C

MERLIN NX
Room Controller
MOUNTING INSTRUCTIONS

(RLxN, RSxN)

MERLIN NX
Room Controller
MOUNTING INSTRUCTIONS

(MU1Z-1035GE51)
0C. DIMENSIONS

RLxN

0D. OPTIONAL, FOR IP30

IRM-RLC (BULK PACK, 10 pcs.)

0E. DIMENSIONS

RSxN

0F. OPTIONAL, FOR IP30

IRM-RSC (BULK PACK, 10 pcs.)
0G. PERMISSIBLE ORIENTATIONS

5 ... 95% r.H.

0 ... +50 °C

0 ... +50 °C

0 ... +40 °C

0H. DIN RAIL END STOP

I. SEE ALSO

MERLIN NX ROOM CONTROLLERS...
- DATA SHEET (EN0Z-1035GE51)
- INSTALLATION & COMM. INSTRUCTIONS (EN1Z-1035GE51)

BACnet WiFi Adapter...
- PRODUCT DATA (EN0B-0733GE51)
- MOUNTING & OPER. INSTRUCTIONS (MU1B-0592GE51)

1. DIN RAIL MOUNTING

MOUNTING

1. Dismounting

2. 2X
2. WALL MOUNTING

2.1 WALL MOUNTING

2.2 MOUNTING + DISMOUNTING IRM-RxC

3. MOUNTING + DISMOUNTING IRM-RxC

4A. WIRING (230-V MODELS)

4B. WIRING (24-V MODELS)
SPECIFICATIONS OF CONTROLLER

<table>
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<tr>
<th>Specification</th>
<th>Details</th>
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<tr>
<td>Power supply, power consumption, and current consumption</td>
<td>See MERLIN Room Controllers – Installation Instructions (EN1Z-1035GE51)</td>
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<td>Ambient temperature</td>
<td>See picture 0G.</td>
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<td>Humidity</td>
<td>5…95% r.h. non-condensing</td>
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<td>Dimensions</td>
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<td>Degree of protection</td>
<td>IP20, IP30 (when mounted with accessory IRM-RSC or IRM-RLC)</td>
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RECOMMENDATIONS AND RULES

► Rules regarding electrostatic discharge should be followed.
► If the device is modified in any way, except by the manufacturer, all warranties concerning operation and safety are invalidated.
► Make sure that the local standards and regulations are observed at all times. Examples of such regulations are VDE 0800 and VDE 0100 or EN 60204-1 for earth grounding.
► Use only accessory equipment which comes from or has been approved by Honeywell.
► It is recommended that the device be kept at room temperature for at least 24 hours before applying power. This is to allow any condensation resulting from low shipping / storage temperatures to evaporate.
► The device must be installed in a manner (e.g., in a lockable cabinet) ensuring that uncertified persons have no access to the terminals.
► Do not open the device, as it contains no user-serviceable parts inside!
► The device is suitable for mounting in fuse boxes conforming to standard DIN 43880, and having a slot height of max. 45 mm.
► The device is suitable for panel rail mounting on 35 mm standard panel rail (both horizontal and vertical rail mounting possible) – see pictures 0G and 0H.

RELAY SPECIFICATIONS

⚠️ CAUTION

RISK OF ELECTRICAL SHOCK OR EQUIPMENT DAMAGES! It is not permitted to combine low voltage and line voltage in the relay block.

STANDARDS, APPROVALS, ETC.

PURPOSE OF CONTROL: OPERATING CONTROL and multifunctional non-safety control intended for HVAC in home (residential, commercial, and light-industrial) environments

- UL 60730-1, Standard for Automatic Electric Controls for Household and Similar Use, Part 1: General Requirements;
- CAN/CSA-E60730-1:02, Standard for Automatic Electrical Controls for Household and Similar Use, Part 1: General Requirements;
- Complementary listing for UL916, CSA C22.2 No. 205;
- BTL-listed, BACnet ASC profile;
- SASO-approved;
- CE-approved;
- FCC part 15B-compliant.


SHOCK PROTECTION: Class II.

POLLUTION DEGREE: 2.

RATED IMPULSE VOLTAGE:
- 230 V circuits: 2500 V
- 24 V circuits: 500 V

TYPE OF ACTION: Type 1.C.

SOFTWARE CLASS: A.

NOTE: Keep AC mains supply/load cables separate from signal wiring!