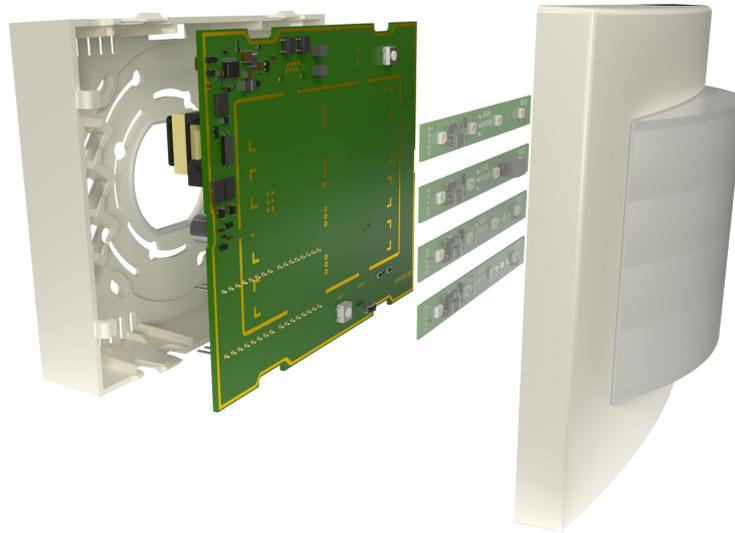


# DATA SHEET



## Room Controller 4 (NIRC4)

### Features

- Compatibility with the NU-series and NI-series modules
- Allowing 12 NU-series modules per room bus using DIP switch addressing
- Allowing 8 NI-series modules per room bus using DIP switch addressing (address 0–3) and fixed addressing (address 4–7)
- Firmware upgrade support for connected modules (NU-series only)
- Support for the NI-series LED modules (NILD2, NILD4–RGB)<sup>1</sup>
- Support for the NI-series voice piggy back module (NIVP4)<sup>1</sup>
- Support for the NI-series wireless transceiver (NIRX)<sup>1</sup>
- Integrated Power over Ethernet — 802.3af
- Auxiliary 24 Vdc power supply via PoE Midspan
- Serves as a corridor lamp supporting 4 LED boards behind translucent dome cover
- Support VOX speech (half duplex with automatic switching)
- 100 Mb Ethernet connection
- USB 2.0HS Host Port and Device Port
- Support USB for wireless Gateway
- Powered over Ethernet (PoE) with VDE grade isolation — 2 x MOPP

1. Available as accessories which must be ordered separately

## Technical Specifications

### Room Controller 4 Overview

<b>Item</b>	<b>NIRC4-WMN</b> <b>NIRC4-GMN</b>
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### Material

Material (housing)	Housing: PC/ABS, Dome: Polycarbonate, translucent
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	Flammability class: HB
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Color	NIRC4-WMN housing: white (NCS S 0603-G80Y)
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	NIRC4-GMN housing: gray (NCS S 2005-R80B)
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Dimensions (H x W x D)	123 x 160 x 55 mm (4.84 x 6.30 x 2.17 in.)
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Weight	270 g (9.52 oz.)
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### Electrical

Power input	Power Over Ethernet PoE 802.3af
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	Auxiliary 24 Vdc power supply via PoE Midspan
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	24 Vdc via PSU with OVC II
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Power outputs	4 x room bus, each 5.5 Vdc / 500 mA, total < 1000 mA
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Power consumption	1 W to max. 10 W (determined by the configuration)
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Electrical connections	4 x 8-pole connector for room buses
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	4 x through-board connectors for the corridor lamp LEDs
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	1 x Micro-USB 2.0HS Device Port
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	1 x Micro-USB 2.0HS Host Port
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LAN connector	1 x RJ45 Ethernet with PoE support and LEDs
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LAN Interface	100 BaseT Ethernet (auto negotiating)
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Extension connectors	Optional voice piggyback module (NIVP4) to support speech.
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	Optional transceiver piggyback module (NIRX) for wireless functionality
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### Audio/Visuals

Buzzer	2400 Hz, 65 dB at 2 m (6.56 ft)
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Status LED	Tricolor (red / green / blue)
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*Specifications are subject to change without notice*

## Compatibility

Software Compatibility	teleCARE IP – NISM2 version 7.5 or higher, and vNISM
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## Environmental

Operating temperature	0°C to 50°C (32°F to 122°F)
Storage temperature	-25°C to 55°C (-13°F to 131°F)
Relative Humidity	0 to 95%, non condensing at 40°C (104°F)
Enclosure protection rating	IP40

## Accessories

Accessories	CAT6/CAT7 extension cable 660728
	NIRX-1AA - Transceiver Module - 869Mhz (EU/EFTA, UK)
	NIRX-1AB - Transceiver Module - 916-921MHz (US/CAN, ANZ)
	NIVP4 - Voice Module
	NILD2-RAA - LED lamp - red
	NILD2-GAA - LED lamp - green (with auxiliary lamp connection)
	NILD2-YAA - LED lamp - yellow
	NILD2-BAA - LED lamp - blue
	NILD2-WAA - LED lamp - white
	NILD4-RGB - RGB LED lamp (dedicated workflow LED board)
	NICT-8AA - Connector terminal 8-pole
	660345 - Blank Cover - white
	660344 - Blank Cover - grey

*Specifications are subject to change without notice*

## Compliance to Regulations and Standards

### Declaration of Conformity

The following complies with the relevant dates and amendments of all the following standards (valid references to dates and amendments are stated in the Declaration of Conformity):

### Regulatory Compliance EU/EFTA



EN 62368-1  
 EN 55032 (CISPR32) Class B  
 EN 55035 (CISPR35) Class B  
 EN 63000 (RoHS)  
 REACH

### Regulatory Compliance UK



Basic compliance of EU/EFTA standards if not superseded by UK regulations.  
 UK RoHS  
 HTM 08-03

### Regulatory Compliance ANZ



AS/NZS 62368-1  
 EN 55032 (CISPR32) Class B

### Regulatory Compliance Germany / Austria

VDE 0834

*Specifications are subject to change without notice*

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