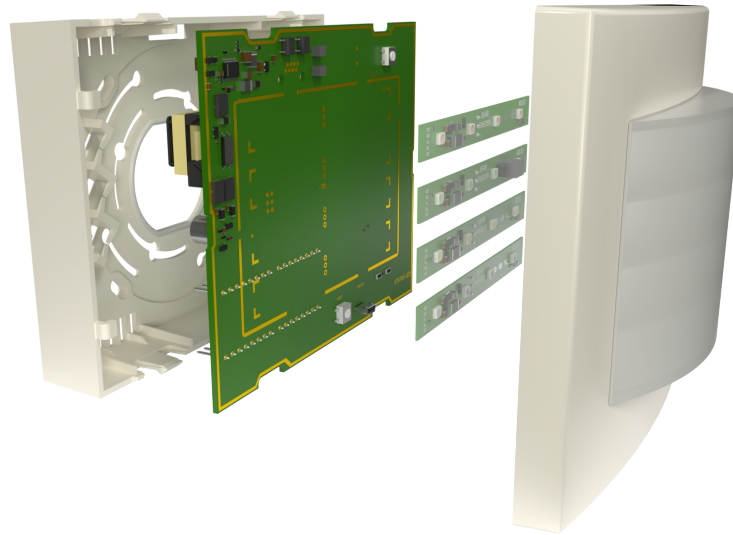


# DATA SHEET



## 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	
Item	NIRC4-WMN NIRC4-GMN
Material	
Material (housing)	Housing: PC/ABS, Dome: Polycarbonate, translucent
	Flammability class: HB
Color	NIRC4-WMN housing: white (NCS S 0603-G80Y)
	NIRC4-GMN housing: gray (NCS S 2005-R80B)
Dimensions (H x W x D)	123 x 160 x 55 mm (4.84 x 6.30 x 2.17 in.)
Weight	270 g (9.52 oz.)
Electrical	
Power input	Power Over Ethernet PoE 802.3af
	Auxiliary 24 Vdc power supply via PoE Midspan
	24 Vdc via PSU with OVC II
Power outputs	4 x room bus, each 5.5 Vdc / 500 mA, total < 1000 mA
Power consumption	1 W to max. 10 W (determined by the configuration)
Electrical connections	4 x 8-pole connector for room buses
	4 x through-board connectors for the corridor lamp LEDs
	1 x Micro-USB 2.0HS Device Port
	1 x Micro-USB 2.0HS Host Port
LAN connector	1 x RJ45 Ethernet with PoE support and LEDs
LAN Interface	100 BaseT Ethernet (auto negotiating)
Extension connectors	Optional voice piggyback module (NIVP4) to support speech.
	Optional transceiver piggyback module (NIRX) for wireless functionality
Audio/Visuals	
Buzzer	2400 Hz, 65 dB at 2 m (6.56 ft)
Status LED	Tricolor (red / green / blue)

Specifications are subject to change without notice

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

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

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