INTERRA

Hotel DND/MUR Module
Product Manual

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1. SCOPE OF THE DOCUMENT

This document contains the specifications of Interra's ITR630 product and the project context. This document applies to all products involved as a common information base and is binding on KNX system equipment involved in the project. Changes are permitted only in coordination with the product management.

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2. DESCRIPTION OF THE PRODUCT

Hotel DND/MUR Module is a device which provide hotel guests more comfortable demand indication and communication with central control via its configurations. DND/MUR system consists two parts, in-room and out room, and a doorbell is connected to the system.

The communication of the devices via the KNX bus enables information exchanges with KNX sensors and the integration with a building management system. The application program can be loaded with ETS3 or higher and supports the applications which will be described in this manual:

- DND (Do Not Disturb)
- MUR (Make Up Room)
- Doorbell

Module just needs an extra 12-24 VDC for LEDs.

The Hotel DND/MUR device is intended to cover automation requirement in a smart hotel for easy, fast and efficient communication with guests and staff. Either do not want to be disturbed or need the room to be cleaned, it is a simple touching a button. The product includes a doorbell button to announce visitors in a kindly way. Besides, optionally the doorbell can be disabled whether the "Do Not Disturb" is active.

The outdoor module can be customized with room number, icons (Do Not Disturb / Make Up Room), logo and name of the hotel. Hotels can simply integrate this technology into their own design.

The Hotel DND/MUR Module also frees you from recurring expenses, removes DND problems and misunderstandings. When you use the cleaning function, you require room cleaning and textile changing when it is needed not every day. Hotel DND/MUR Module saves man power and cleaning materials as well. Additionally, you can recover your investment with DND/MUR system in a short time.

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3. DETAILED SPECIFICATION OF THE FUNCTIONS

3.1. GENERAL

3.1.1. MODULE ALIVE BEACON

Module alive beacon	◯ Disabled ⦿ Enabled
> Module alive beacon interval (sec)	100

This function play an important role in determining whether the product is working. By enabling the alive beacon parameter it is possible to know whether the device is running. Via the object "Alive Beacon" the value true is sent with a preconfigured period. The receipt of this telegram periodically means that the device is working properly.

3.1.2. RING BUTTON

Ring Button	
> On press / On release	On / -
> Sending on delay (sec)	0
> Locking	Disabled

This function is used to enable the ring button. Button locking and sending telegrams with delay features are available.

3.1.3. LIST OF PARAMETERS

PARAMETER	DESCRIPTION	VALUES
Module Alive Beacon	This parameter allows sending the value "true" periodically while the device is running.	**Disabled** Enabled
Module Alive Beacon Interval (sec)*[1]	This parameter determines the Module Alive Beacon sending period.	**3600** (1...65535)
On press / On Release	This parameter determines the behaviour of the ring button. ON / - : when the contact is closed the value "on" is sent. OFF / - : when the contact is closed the value "off" is sent.	**On / -** Off / - -/ On -/ Off On / Off Off / On

	- / ON: when the contact is opened the value "on" is sent. - / OFF: when the contact is opened the value "off" is sent. ON / ON: when the contact is closed the value "on" is sent and when the contact is opened the value "on" is sent again. ON / OFF: when the contact is closed the value "on" is sent and when the contact is opened the value "off" is sent. OFF / OFF: when the contact is closed the value "off" is sent and when the contact is opened the value "off" is sent again. OFF / ON: when the contact is closed the value "off" is sent and when the contact is opened the value "on" is sent.	
Send On Delay	This parameter enables sending "On" value after delay.	**Disabled** Enabled
Send On Delay (sec)*²	This parameter sets delay to send "On" value.	**0** (0…255)
Locking	This parameter defines the locking behavior of the ring button. Lock On Value 0: Button is locked when "Locking" parameter sends 0. Lock On Value 1: Button is locked when "Locking" parameter sends 1.	**Disable** Lock On Value 0 Lock On Value 1

*¹ This parameter is only visible when the parameter "Module Alive Beacon" is set to "Enabled".

*² This parameter is only visible when the parameter "On Press / On Release" is set to "On / Off" or "Off / On".

3.1.4. LIST OF OBJECTS

The following object can be used through the general function:

OBJECT NAME	FUNCTION	TYPE	FLAG
Alive Beacon	Alive Beacon	1 bit	CRT

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This object is only visible when the "Module Alive Beacon" function is enabled. Via the group address linked, the value "true" is sent while the module is running.

Ring Button	On / Off	1 bit	CWT

This object send On/Off telegrams to ring button.

Ring Button	Lock	1 bit	CRWU

This object locks the ring button.

MUR LED	Status	1 bit	CRT

This object indicates the current status of the MUR LED.

MUR LED	On / Off	1 bit	CRWU

This object send On/Off telegrams to MUR LED.

DND LED	Status	1 bit	CRT

This object indicates the current status of the DND LED.

DND LED	On / Off	1 bit	CRWU

This object send On/Off telegrams to DND LED.

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4. DIMENSIONS
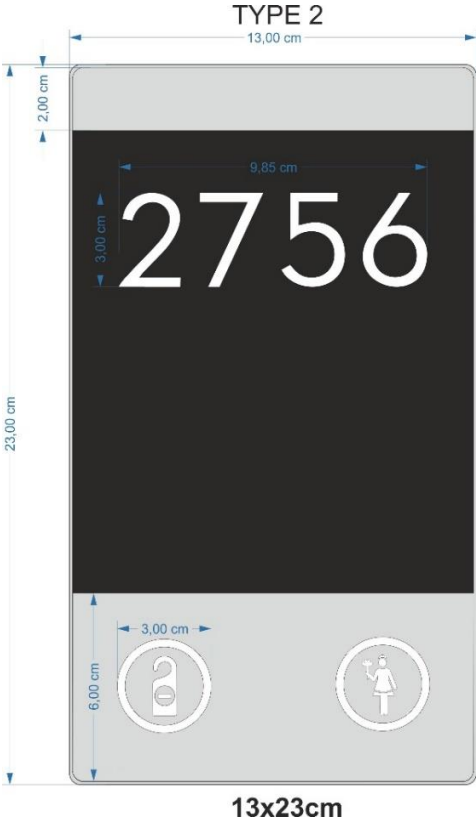
5. CONNECTION DIAGRAM

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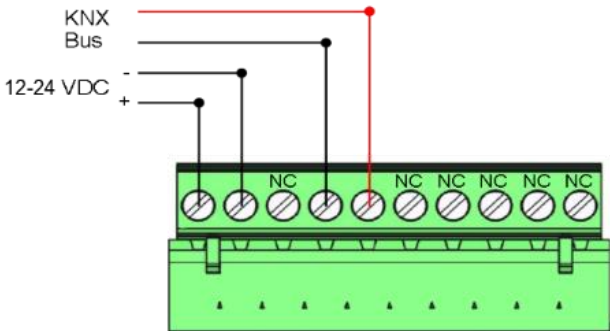
7. MAIN TECHNICAL FEATURES

Device	ITR630
Power Supply	EIB Power Supply
	Extra 12-24 VDC for LEDs
Power Consumption	KNX: 10mA
	12-24 VDC: 22mA
Mode of commissioning	S-Mode
Type of protection	IP 20
Temperature Range	Operation (- 5°C ...55 °C)
	Storage (- 25°C ...70 °C)
Maximum air humidity	<90RH
Flammability	Non-flammable product
Mounting	Flush mounting
Colour	Light Grey
Dimensions	23x13mm (HxW)
Certification	KNX Certified
Configuration	Configuration with ETS

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CONTACT INFORMATION

THE INTERRA WEB SITE

Interra provides documentation support via our WWW site www.interra.com.tr This web site is used as a means to make files and information easily available to customers. Accessible by using your favourite Internet browser, the web site contains the following information:

- Overview of Interra Technoloji company and values.

- Information about our products and projects.

- Product Support: Data sheets, product manuals, application descriptions, latest software releases and archived software.

EUROPE, Turkey

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