RF KEY PAD UNIT – 9 KEYS

PRODUCT DESCRIPTION

RG.KPA.10 is a programmable keypad unit for hotel rooms or family homes. It can be used as user interface in various automation systems.

Device feature 9 capacitive keys with two color dimmable backlight.

The RG.KPA.10 communicate with the rest of the system using RS485 port.

TECHNICAL DATA

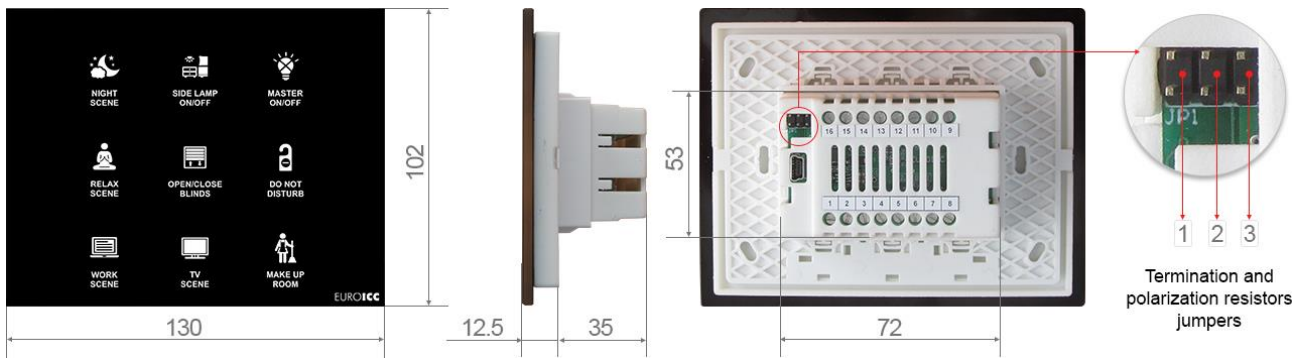| ELECTRICAL SPECIFICATIONS	
Power supply	Nominal: 24 VDC, 2W Voltage range: 12 ... 30 VDC
COMMUNICATION CHANEL	
RS485	BACnet MS/TP or Modbus Slave RTU/ASCII. Programmable baud rate (9600, 19200, 38400, 76800, 115200), Jumper selectable use of termination and polarization resistors
USB	USB device, mini USB connector, service port
INPUTS	
Potential free inputs	2
Resistance measuring inputs for NTC temperature probe	2
OUTPUTS	
Transistor outputs 24 VDC/100 mA	4
Voltage outputs 0-10 V, 10 mA max	2
USER INTERFACE	
Capacitive keys	9
ADDITIONAL SPECIFICATIONS	
Operating temperature	0.. +55 °C
Storage temperature	-30.. +80 °C
Operating humidity	max 95% r.H., no condensation
Protection degree	IP20
Mounting	Wall mounting, for indoor use only
Dimensions	Built in: 72x53x35 mm. Front panel: 130x102x12
Weight	200g

PRODUCT FEATURES

» 9 capacitive keys with bicolor backlight
» High level of flexibility thanks to a wide range of IO resources
» Resource sharing between controllers through BACnet network. Data sharing is performed without intervention of the supervisory system

» Configuration, programming and debugging is done using PC based tool through USB port
» Jumper selectable standard polarizing and termination resistors on RS485 terminal

WIRING AND RESOURCES

LOCATION	NAME	DESCRIPTION	ADDRESS
Position 1	Power supply 24 VDC -	Device GND	
Position 2	Power supply 24 VDC +	Power supply +	
Position 3	RS485 B-	Communication – line	
Position 4	RS485 A+	Communication + line	
Position 5	BOUT1	Binary output	QX18
Position 6	BOUT2	Binary output	QX19
Position 7	BOUT3	Binary output	QX20
Position 8	BOUT4	Binary output	QX21
Position 9	AIN2	Analog input	IW1
Position 10	GND	GND	
Position 11	AIN1	Analog input	IW0
Position 12	AOUT2	Analog output	QW1
Position 13	AOUT1	Analog output	QW0
Position 14	BIN2	Binary input	IX10
Position 15	BIN1	Binary input	IX9
Position 16	GND	GND	

DIMENSIONS AND MOUNTING

SAFETY NOTES

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- The device is not allowed to be used outside the specified field of application, especially in aircraft or in any other airborne means of transport.
- It may only be installed by suitably trained personnel.
- Any legal regulations or regulations issued by authorities must be observed during assembly.

- The device may only be opened at the manufacturer's site. It does not contain any parts that can be replaced or repaired by the user.
- The device contains electrical and electronic components and is not allowed to be disposed of as household refuse. All locally valid regulations and requirements must be observed.