RPD **RADIO ACCESS POINT**

The Radio Access Point is a maintenance-free device which communicates with sirens operating in different alarm systems. The RPD works like an interface connecting sirens working in the radio (digital or analogue) technology with the digitexCZK/IP® system based on an IP network. The RPD enables sending and receiving of packet transmission via an analogue and digital radiotelephone and IP protocol.

ADVANTAGES AND FUNCTIONS

SUPPORTS ANY SYSTEM
The RPD Radio Access Point plays a role of an interface connecting digital and analogue sirens. The main function of the RPD is to ensure communication in the digitexCZK/IP® system via an IP channel (LAN/WAN/VPN), radio channels (DSP-50, digitexCZK/FSK®, RSSS-2000/3000) and GPRS (GSM module).

CONTROLS ANALOGUE OR ANALOGUE AND DIGITAL SIRENS
RPD/A or RPD/A/C can control alarm sirens owing to an embedded MMB-4000 radio modem, which enables automatic shift of the connected radiotelephone channel, while maintaining high resistance to interference. The sirens are controlled via a digital radio connection according to NXDN FDMA (Kenwood) standard and VHF/UHF analogue radio connection in an analogue standard (DPS-50, digitexCZK/FSK®, RSSS-2000/3000).

CONTROLS DIGITAL SIRENS
The RPD in the digital version (RPD/C) enables controlling of alarm sirens via a digital radio connection according to DMR TDMA (Motorola) or NXDN FDMA (Kenwood) standard.

EMBEDDED SERVER
The RPD Radio Access Point can operate 24/7 owing to an embedded PC-700 computer with a dedicated operating system (MS Windows, Linux) and server software.

LOCAL OPERATION
The embedded panel with a keyboard and display allow manual control of the alarm system in case of the control computer failure.

STABLE OPERATION
The Radio Access Point is supplied from 220-240V/50-60Hz mains. It has an embedded 12V/50 Ah maintenance-free battery which is used as emergency power supply. Additionally, the RPD comes with an embedded battery charging and discharge control system.

NOTIFICATION ABOUT INCIDENTS
The RPD Radio Access Point enables alarming and notification about incidents of indicated persons via text messages and e-mails.

REPORTING
The RPD Radio Access Point collects reports on the recorded incidents and tests on all devices allowing their direct printing or saving on an external carrier and exporting to a PDF file.

COOPERATION WITH OTHER DEVICES
Additionally, it cooperates with external devices configured in the digitexCZK/IP® system and enables controlling of e.g. weather stations, sensors of air quality, water level, chlorine, ammonia, radiation as well as recalling and evacuation systems.

TECHNICAL DATA

Device types	analogue (RPD/A), digital (RPD/C), analogue and digital (RPD/A/C)
Radio transmission	analogue and/or digital (FDMA/TDMA)
Embedded radiotelephone	analogue or digital (Kenwood/Motorola)
Possible operation in radio systems	digitexCZK/IP®, digitexCZK/FSK®, RSSS-2000/3000, DSP-50
Control	embedded PC-700 computer
Analogue siren control	radiomodem MMB-4000 (RPD/A, RPD/A/C)
Server	plays a role of digitexCZK/IP server
Main power supply	220V-240V / 50Hz-60Hz
Emergency power supply	50Ah / 12V maintenance-free battery
Power consumption	<3A
Working temperature	from 0°C to 50°C
Material /colour	metal housing/ RAL 7035
IP rating	Ip66
Dimensions/Weight	500 x 400 x 210 mm (H x W x D)/ 15 kg (without batteries)
Warranty	24 months (battery: 12 months)