

# Operator's Control Panel



Integrated multi-purpose operator's device "all in one"

Operator's control panel is an **advanced warning, communication, and automation device of "all in one" type**, which also serves for interaction of the system with the operating staff. In the control centres **it can substitute several devices** and save costs and space at the same time. It enables the operating staff to respond to stimuli using a single device and one interface. It enables creation of various fully automated work scenarios as a response to external stimuli. It is thus an efficient tool for automation of processes in control centres of various types and unloads several routine activities from the system operators. Thanks to its communication

capabilities, it enables creation of unattended workplaces to which operated staff will only be called if an extraordinary event happens. Operator's control panel **is manufactured in three versions**: Basic, Professional, and Enterprise. They differ in functions, methods of control, communication interfaces, option to place additional orders for additional communication modules, and their price is optimised for use in many different applications. Operator's control panel can be used separately, or in concurrence with other devices and modules manufactured by our company, and also in concurrence with other manufacturers' devices.

## Possible uses

**Operator's communication centre,** it integrates and interconnects:

- IP phones (it is an IP phone as such)
- mobile network (it is a mobile phone as such)
- communication industrial and door announcers (it is an announcer as such)
- radio stations and radio networks
- analogue phones
- voice evacuation public address systems and sound distribution systems
- warning systems
- it serves as a recording device for voice prints

**Control centre for warning systems**

It tests and controls the siren network.

**Automation system**

Evaluates the data from connected detectors and performs various types of actions.

**Announcer's panel and control unit in voice evacuation public address systems**

It is sufficient to connect amplifier and loudspeakers.

**Announcing device**

Automatically sends voice messages and short messages.



# Operator's Control Panel



Integrated multi-purpose operator's device "all in one"



## User interface

- 8 functional push buttons
- possibility to extent it with additional modules, each with 16 push buttons
- rotary encoder with a pushbutton
- activating programmable push button located under the protective cover
- large well-arranged graphic LCD display
- possibility to authorise using the Dallas iButton or RFid
- ergonomic microphone for live announcements broadcasting

## Audio

- playing announcements from the SD card
- playing MP3 files from the USB flash
- live announcements from the microphone
- inbuilt FM tuner
- inbuilt loudspeaker
- 4x communication line mono input

## Communication options

- WiFi interface
- Xbee interface 2,4 Ghz
- aBUS and CAN buses
- Ethernet 100/10 Mbit
- GPRS for remote control
- GPS module for time synchronization
- 2x serial line RS232 / RS485
- galvanically isolated binary inputs and outputs



BASIC version



PROFESSIONAL version



ENTERPRISE version



Extended panel with 16 additional push buttons

# Operator's Control Panel



Integrated multi-purpose operator's device "all in one"

**A** - standardly included

**D** - added upon additional payment

**N** - not possible for the given version

## Audio

	BASIC	PROFESSIONAL	ENTERPRISE
playing the sound signal from the microphone	A	A	A
playing the voice prints and warning signals from the SD card	A	A	A
playing the voice signal from other external audio inputs	A	A	A
playing MP3 files from the USB flash	N	A	A
playing radio broadcasting from the inbuilt FM radio	N	A	A
recording sound prints to the SD card	N	A	A
announcement zone selection	A	A	A
announcement or warning signal selection	A	A	A
possibility to combine more prints for an announcement	N	A	A
different possible announcement priorities depending on the occasion	N	A	A

## Interfaces

eight galvanically isolated analogue inputs (current or voltage mode)	D	D	A
four galvanically isolated binary inputs	D	D	A
four galvanically isolated binary outputs	D	D	A
communication with the entourage via the RS232 or RS485 interface	A	A	A
communication with the entourage via the ZigBee interface (requires additional module)	D	D	D
communication with the entourage via the WiFi interface (requires additional module)	D	D	D
communication with the entourage via the line interface TCP/IP (requires additional module)	D	D	D
communication with the entourage via the GSM/GPRS interface (requires additional module)	D	D	D
communication with other modules via the internal aBUS	A	A	A
authorisation via the iButton (RFid) (requires additional module)	D	D	D
configuration or programming of various responses to input stimuli (response scenarios)	A*	A*	A

## Control

simple control using the push buttons	A	N	N
displaying basic statuses by LEDs	A	A	A
comfortable intuitive control using 8 push buttons and rotary encoder	N	A	A
displaying the system statuses using the 120 x 90 mm display	N	A	A

## System

saving all important events related to work of individual modules to internal storage	A**	A	A
testing of individual system modules	A***	A	A
automatic dispatch of emergency announcements to a superior level	A****	A	A
alternate accumulator charger (alternate accumulator is used when the equipment is not powered from the centre)	A	A	A

\* limited by the given version interface types

\*\* events can only be read by a service technician via a connected computer

\*\*\* more simple version of basic test with summary output (OK/FAILURE)

\*\*\*\* more simple version of summary output (OK/FAILURE)