

OPERATING ROOM CONTROL PANELS



Our Brands



Aktif trade mark for Measuring, Protection, Automatic Meter Reading, Billing and Energy Management Software.

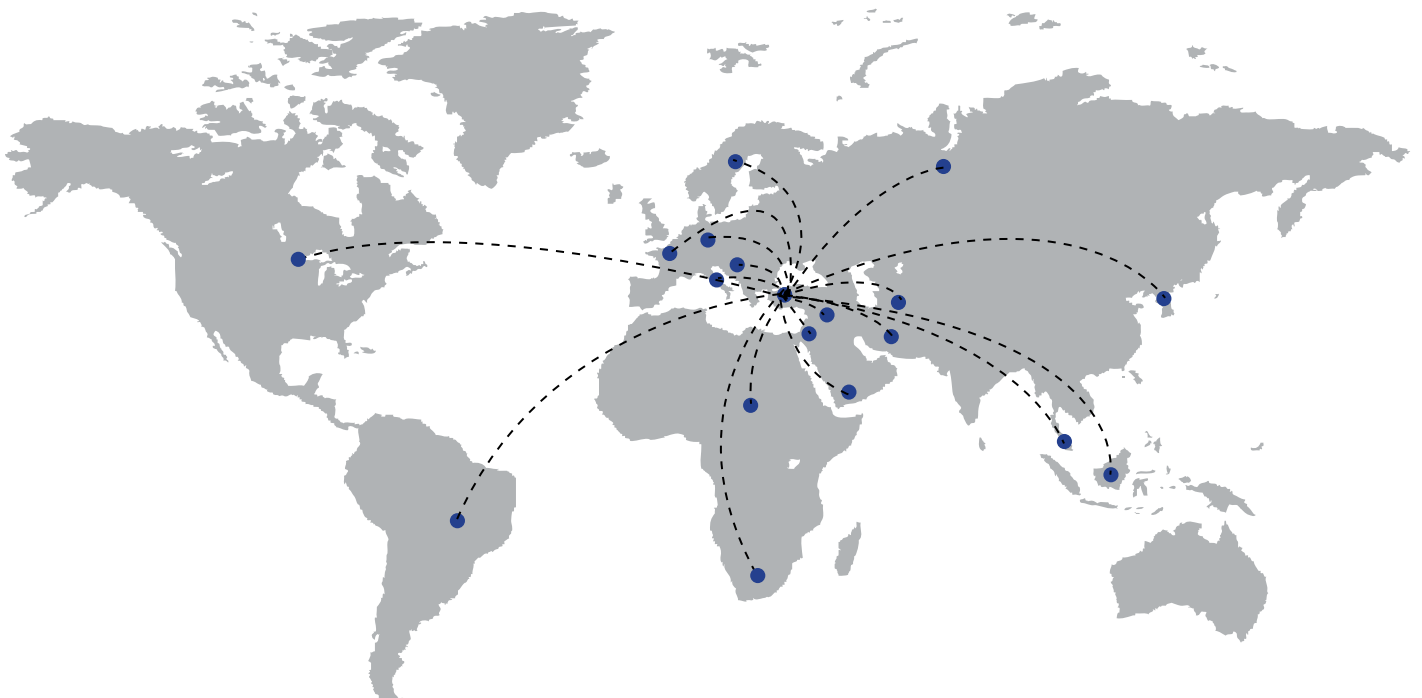


Aktif trade mark for Measuring, Protection, Control and Power Quality products with high quality, long life and environmentally sensitive.



Aktif trademark for Grounding Resistors, Load Banks, Filter Resistors, Motor Control & Braking resistors with high durability and state-of-art technology.

Where we are?



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Operating Room Control Panels



Asset OCP Series Operating Control Panels are contemporary and reliable devices, designed for maintaining the most comfortable environment possible both for patient and surgery team and the most suitable working conditions required in the surgery room.

All electrical controls can be done manually via Asset OCP Series Operating Room Control Panel's screen. Another feature is performing all data exchange required for automation, and solely undertake all automation tasks even in non-central automated environments.

A panel manufactured according to the isolated power system alarm fully complies with the technical specifications of the Ministry of Health. Panels allow operation of the four different armature groups separately such as; turning on/off and controlling the operation lamp, Negatoscope control, 4-channel music broadcast channel, Hands-Free phone, SIP-Phone, medical gas alarm indicator, temperature, humidity, hepa filter pollution, differential room pressure indicator and hour-chronometer features as integrated in the panel.



OCP-10



OCP-11



OCP-9



OCP-21

Operating Room Control Panels

OCP-9 Operating Room Control Panel

OCP-9 provides many advantages to a user with its “Smart Care” supervision feature with 7” resistive touch screen which is easy to clean.

All electrical controls can be manually performed on the 7” touch screen, desired values can be displayed as integrated into air conditioning automation. Communication with high-quality audio provided by the digital audio processor with the hands-free phone through the same touch-screen is also available.



OCP-9

OCP-10 Operating Room Control Panel

All electrical controls required in the operating room can be manually performed by the OCP-10 Operating Theatre Control Panel having 21.5” capacitive touch screen, IP65 protection standard. OCP-10 includes 4 latching relays to provide continuity of lighting. In addition, LINUX based Operating Theatre Control Panel is able to exchange data via ModBus to the building automation systems.



OCP-10

OCP-9 Technical Specifications

- DIN 4301 stainless steel front panel
- 7” Resistive touch screen
- Smart Care warning system
- General lightning control
- Operation lamp control
- Negatoscope control
- UV lamp control
- Busy lamp control
- Time and Chronometer (NTP Time Synchronisation)
- Four channel music broadcasting system
- 3 Watt powered audio amplifier
- External speaker support
- Medical gas alarm integrated to panel
- Temperature, humidity, hepa filter pollution, diffirential room pressure indicator
- Hands-Free analogue telephone
- AGS (Anaesthetic Gas Discharge) button
- Operating status: on / off information
- Event recording and system status
- Lightning dimmer control
- Temperature and humidity information outputs
- Electrical heater (automatic) control
- Embedded assembly
- Front panel dimensions: 600mm x 410mm
- Assembly dimensions: 585mm x 385mm x 110mm

OCP-10 Technical Specifications

- 21.5” Capacitive touch screen
- DIN 4301 stainless steel front panel
- LINUX based operating system
- RS-485, Modbus RTU master/slave communication interfaces
- Scada integration
- Smart Care warning system
- General lightning control
- Time and chronometer (NTP Time Synchronisation)
- Operation light control
- Negatoscope control
- UV control
- Medical gas alarm integrated to panel
- Four channel music broadcasting system
- External speaker support
- 12 Watt powered hi-fi audio amplifier
- 10W internal speaker
- Hands-Free analogue telephone
- Telephone book feature
- Electrical interruption protection with latching in-rush relay
- Temperature, humidity, hepa filter pollution, room differential pressure indicator
- AGS (Anaesthetic Gas Discharge) button
- Operating status: on / off information
- Event recording and system status
- Lightning dimmer control
- Temperature and humidity information outputs
- Electrical heater (automatic) control
- Embedded assembly
- Front panel dimensions: 600mm x 410mm
- Assembly dimensions: 580mm x 380mm x 110mm

Operating Room Control Panels

OCP-11 Operating Room Control Panel

All electrical controls required in the operating room can be manually performed by the OCP-11 Operating Theatre Control Panel having 21.5" capacitive touch screens, IP65 protection standard.

In addition, LINUX based Operating Theatre Control Panel is able to exchange data via Modbus to the building automation systems. Besides there are some additional features like SCADA Integration, SIP-Phone in OCP-11.

OCP-11 allows the user to start operation with pre-configured customizable input profiles. Enhances the comfort of the operation by new designed hi-fi amplifier with more vibrant, high-quality and louder voice level.

OCP-11 minimizes accidents in the field with analog input/output protections.



OCP-11

OCP-11 Technical Specifications

- 21.5" Capacitive touch screen
- LINUX based operating system
- RS-485, Modbus RTU master/slave communication interfaces
- Scada Integration
- Smart Care warning system
- Customizable login profiles
- General lightning control
- Time and chronometer (Central hour integration)
- Operation light control
- Negastroscope control
- UV control
- Medical gas alarm indicator
- Four channel music broadcasting system
- MP3 feature
- Hands-Free VoIP phone
- Telephone book feature
- 15 Watt powered hi-fi audio amplifier
- 13W internal speaker
- External 8 ohm speaker support
- Electrical interruption protection with latching in-rush relay
- Temperature, humidity, hepa filter pollution, differential room pressure indicator
- AGS (Anaesthetic Gas Discharge) button
- Operation on / off information
- Event recording and system status
- Lightning dimmer control
- Temperature and humidity information outputs
- Electrical heater (automatic) control
- Easy software update with USB key
- Embedded assembly
- Front panel dimensions: 660mm x 460mm
- Assembly dimensions: 640mm x 435mm x 125mm

Operating Room Control Panels

OCP-21 Operating Room Control Panel

OCP-21 Operating Control Panel is a contemporary and reliable device, designed for maintaining the most comfortable environment possible both for patient and the surgery team and most suitable working conditions required in the surgery room.

All electrical controls required in the operating room can be manually performed by the OCP-21 Operating Theatre Control Panel having 21.5" capacitive touch screen with IP65 protection standard. In addition, LINUX based Operating Theatre Control Panel is able to exchange data via ModBus and TCP/IP to the building automation systems. Besides SCADA Integration, Internet access, Gesture sensor, PDF creation, IP phone, Ethernet, MP3 and USB connection features of the panel, the camera allows online video and voice streaming over the web.

Customizable inputs, 6-channel music broadcast input, external speaker support, voice command system, MP3 player, increased voice output to improve the comfort of the operation.

It offers the ability to communicate via VoIP and video conferencing over Skype platform.

While maintaining the safety of the device with analog input / output protection, it provides remote online live support with TeamViewer in case of any failure which may occur.



OCP-21

OCP-21 Technical Specifications

- LINUX based operating system
- DIN 4301 stainless steel front panel
- 21.5 inch capacitive touch screen
- RS-485, Modbus RTU master/slave, TCP/IP communication interfaces, external RS232 and CanBus support
- Voice control
- Scada and PACS Integration
- HBYS/PIMS over the web
- Internet access
- Hands-FreeVoIP phone, video conference over VoIP
- Hands-Free analog phone
- Telephone book feature
- Camera, MP3, USB features
- PDF viewer
- Customizable user profiles with macro function buttons
- 3 line general lighting control
- Power failure protection by latching in-rush relay
- Control of Operation, UV, Busy, Negatoscope light
- Lighting and negatoscope intensity controls between 0% to 100%
- 6 channel music broadcast channel selection
- 15 Watt power amplifier, music volume adjustment
- 13 Watt internal speaker
- External speaker support
- Digital clock and chronometer (ascending and descending counter), central clock integration
- Analog input/output protections
- 10 channel medical gas alarm panel
- 0-10V automation outputs for temperature and humidity levels
- Integration to different automation systems via customizable voltage / current options for analog inputs
- Temperature, humidity, differential room pressure, hepa filter pollution monitoring and setting, audible and minous warning when set value is exceeded
- Voice notification buttons to disable undesirable alarm notifications
- Operating status: on /off information, operating room busy lamp sign
- Damper open/close manual control, flow control
- AGS (Anaesthetic Gas Discharge) button
- Sends information to automation by 8 analog 0-10V outputs and 8 digital input/outputs
- Event recording and system status
- Embedded assembly
- Front panel dimensions: 660mm x 460mm
- Assembly dimensions: 640mm x 435mm x 125mm

OCP Series Comparison Chart

Physical	MODEL			
	OCP - 9	OCP - 10	OCP - 11	OCP - 21
7 inch resistive touch screen	✓	-	-	-
21.5 inch capacitive touch screen	-	✓	✓	✓
DIN 4301 stainless steel front panel	✓	✓	✓	✓
Monitoring & Control				
General lighting control	✓	✓	✓	✓
Operation, Negatoscope, UV, Busy sign control	✓	✓	✓	✓
Dimmer control	✓	✓	✓	✓
Operating on / off information	✓	✓	✓	✓
Electrical heater (automatic) control	✓	✓	✓	✓
Temperature, humidity, hepa filter pollution, room differential pressure indicator	✓	✓	✓	✓
AGSS (Anesthetic Gas Scavenging Systems)	✓	✓	✓	✓
Electrical interruption protection with latching in-rush relay	-	✓	✓	✓
Analog input / output protections	-	-	✓	✓
Voice Recognition & Control	-	-	-	✓
Customizable login profiles for surgery, cleaning and service	-	-	6 profiles	6 profiles
Communication				
Ethernet connections	1	1	2	2
Modbus-TCP/IP Communication	-	-	-	✓
Scada Integration with Modbus RTU	-	✓	✓	✓
Gas alarm panel communication with Modbus-RTU	✓	✓	✓	✓
Audio				
Audio Channels	4	4	4	6
Internal speaker	✓	✓	✓	✓
Audio amplifier for external speakers	3W	12W	15W	15W
USB MP3 Player	-	-	✓	✓
Phone				
Hands-Free Analogue telephone	✓	✓	-	✓
Hands-Free VoIP phone	-	-	✓	✓
Telephone book feature	-	✓	✓	✓
Video Conference over VoIP	-	-	-	✓
Skype	-	-	-	✓
Multimedia				
Internet access with Browser	-	-	-	✓
PDF viewer	-	-	-	✓
Synchronization				
PACS Integration	-	-	-	✓
NTP Clock Synchronization	✓	✓	✓	✓
Support				
Event recording and system status	✓	✓	✓	✓
Teamviewer Support (Remote Support)	-	-	✓	✓
Easy USB Software Upgrade	-	-	✓	✓

Watt White!

White...
Color of the beginning...
White, color of the purity, honesty and clarity...

Color of the stability and continuity, trust and quality...

Since 2010, we decided to apply white color which symbolizes all of these values to all of our products.

Switchgears and Substations

- Metal Enclosed Switchgears
- Metal Clad Switchgears
- Mobile Substations
- E-House / Compact Substations

Power Resistors

- Grounding Resistors
- Load Banks
- Filter Resistors
- Motor Control & Braking Resistors

Power Quality & Power Factor Correction

- LV Capacitor & Filter Banks
- MV Capacitor & Filter Banks
- Capacitors & Harmonic Filter Reactors
- Thyristor Switches

Medical Power & Control Panels

- Operating Room Control Panels
- Isolated Power Panel
- Isolation Transformers
- Automatic Transfer Relays

Smart Grid

- Energy Management Systems
- Metering & Submetering
- Power Analyzers & Quality Recorders
- Protection Devices

Traction Substation

- Traction Rectifiers
- DC Switchgears
- DC Disconnectors
- Traction Transformers

Renewable Energy & DC Conversion

- High Power Rectifiers
- Solar Inverters
- Energy Storage Systems
- EV Charging Stations



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