

# ISOLATION ROOM MONITORING

# SURGEON

## CONTROL PANEL MODEL-SCP - 10, 7/ SSCP-XX



### COUNTDOWN TIMERS

- Elapsed Timer
- Anaesthesia Count Down
- Real Time & Date-GPS/NTP



### MONITORING & CONTROL-BMS/AHU

- Monitoring- Temperature, Humidity(%), OT Pressure, HEPA Filter
- Controlling-Temperature, Humidity & Pressure



### LIGHT & MEDICAL GAS

- Surgical Light with Dimming Control
- Peripheral Light with ON/OFF Control
- Medical GAS Hi/Low Alarm with Buzzer



### PHONE & DOOR ACCESS CONTROL

- Analog & IP Phone also Connected with Incoming & Outgoing Features
- Door & Window Interlocking & Control.

# SURGEON

## CONTROL PANEL

MODEL- SCP-10,7- SSCP-XX



### BENEFITS OF SURGEON CONTROL PANEL

Easy to Use and Control UNITECH had Designed the Surgeon Control Panel in a way that the People (O.T. Staff and Concerned Peoples) can Easily Understand and Operate as Per Their Requirement. The Graphics are Such as the Similar to Smart Phone we All Use. The Front Panel will Displays the Basic Information and Control that are Relevant to the Clinical Staff and Doctors. And the Detailed Technical Information is Available in the Sub Menus for Engineering Staff as per Their Requirement.

### SALIENT FEATURES

- ✦ Very Low Cost With All Standard Futures With Stainless Steel Flush Mounted Easy-to-clean Promoting Infection Prevention.
  - ✦ The Operating Staff Can Easily Access All the Important Parameter from Touchscreen Control Panel.
  - ✦ Choice of Analogue or Digital Day / Time Clock with Digital Elapsed Time Clock.
  - ✦ 7"/ 10" Touch Screen Multi-Colour Display can be Linked to the BMS for Easy Access to the Operating Room Domain.
  - ✦ Room Temperature, Humidity and Pressure Display & HEPA Filter Status Indication. (Dirty Filter Alarm of the Laminar Flow)
  - ✦ Control of Operating Lights (Main, Satellite), General Lights and Illuminated Warning Signs.
  - ✦ Standard Alarm and Medical Gas Alarm for Faults on Medical Gases. Alarm can Muted During Maintenance.
  - ✦ Temperature and Humidity Setting and Controlling (AHU or Compressor) From this Panel to Reducing Operating Room Downtime.
  - ✦ All Activity Reports are Generated Like Surgery Report, Data Report and Graph of BMS Parameter(Temp, Rh, DP and HEPA Filter).
  - ✦ Door Interlocking Controller with Opening and Closing Cycle Counting for Door and Window.
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|---|----------------------------------|-------------------------|
| ✦ Temperature, Humidity & Pressure Control and Display      | ✦ HEPA Filter Status Indicator   | ✦ Hands Free Telephone  |
| ✦ Lighting Control / Dimming (Peripheral and Surgeon Light) | ✦ Report of Environmental Values | ✦ Anaesthesia Countdown |
| ✦ Door and Windows Interlocking Controlling                 | ✦ Medical Gas Alarm Systems      | ✦ Elapsed Time Clock    |

# SURGEON

CONTROL PANEL

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## SURGEON CONTROL PANEL

MAIN MENU PAGE.



HOME



CAMERA



MUSIC



LIGHT -DIMMING



SURGICAL LIGHT



X-RAY



WI-FI



DOOR INTERLOCK



ETHERNET



USB



TELEPHONE



ALARM



ANESTHESIA



TIMER



HEPA FILTER



GAS



HUMIDITY



TEMPERATURE



UTILITY



WHO



SETTING



ROOM PRESSURE



UV PROTECTION



AHU-BMS-HVAC



MEDICAL GAS

### Medical Gas System

- ✦ Gas Pressure Level Monitorization for 5 Different Medical Gases. Ability to Set Low/High Limits For All Gases.
- ✦ Visual and Audible Alarms According to Gas Pressure Level or Five Different Medical Gases.
- ✦ Ability to Receive and to Send Data to The Central Gas System.



LIGHTINGS

### Lighting Controls

- ✦ Surgical Operation Light Control with Dimmer Controls or On/Off Control - Up to 3 Nos. Light.
- ✦ General Peripheral , Shadow Less Dome, Plenum Light and View Box with Brightness Control Option.
- ✦ UV Lamp, X-Ray Viewer & OT Busy Lamp On / Off Controls - Up to 2 Nos. Light.



TEMPERATURE HUMIDITY



HEPA FILTER PRESSURE

### Air Conditioning Control

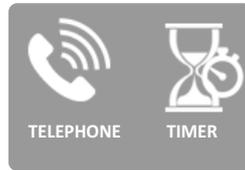
- ✦ Ability to Monitor Ambient Temperature, Humidity, Differential Pressure and HEPA Filter Clean/Dirty Status.
- ✦ Get all Climate Data from HVAC and to Send Data to SCADA SERVER. (Analog and RS485)
- ✦ Set Level of the Temperature, Humidity, Differential Pressure and HEPA Filter, Screen and this Set Levels Transfer to Hospital Automation. (RS485 and Analog)
- ✦ Visual and Audio Alarm for Alarm Situations of Each Climate Control
- ✦ Negative Pressure Indication and Alarming.





**Door Interlock System** is Used to Prevent the Simultaneous Opening of Multiple Doors. The System Aids in Minimizing the Microbial, Particulate Contamination and Helps Maintaining Pressure Difference Between Two Rooms by Restricting Access of the Unauthorized

**Utility** Equipments Data Monitoring like Mains Lines Power, Invertor, Isolation Transformer, Generator Etc...

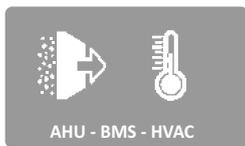


**Timer**

- ✦ Anaesthesia Countdown Timer.
- ✦ Operation Timing- Elapsed Time.
- ✦ Real Time Clock with Date & Day.
- ✦ Clock-with Inbuilt Battery, Time Setting Options.
- ✦ Stop Watch- Along with Start / stop / Reset Buttons

**Telephone**

- ✦ Ability to Call all Phone Numbers That Connected to the Same IP Central with VO-IP.
- ✦ Hands Free Touch Pad Telephone Available Fingers, Soft-Pen Can be Used Even Wet



**BMS / HVAC /AHU**

All BMS Parameter Like (Temperature, Humidity, Pressure, HEPA Filter) Alarm Setting Set Upper and Lower Alarm Level and Audible Alarm(buzzer). Other Control Parameter: Compressor, Heater, Fan, Damper, Full Flow and Semi-Flow Set Points also Available with Timer Option.



**Strong Communication Ability**

- ✦ Ethernet : Modbus TCP-IP for Third Party BMS/HVAC Communication or Centralized SCADA.
- ✦ Rs232, RS485 Communication for Third Party Communication.
- ✦ USB Communication for Data Logging with Time Stamping.

**Valuable Customers :-**

