Surgeon Control Panel
Touch Screen

Introduction

Touch Panel

With the touch sensitive monitor, which can be operated directly at the touch of a finger, operating and monitoring of OT parameters like temperature, humidity is now very simpler. The graphical interface is capale of displaying all kinds of complex topologies. The status and command information is presented in a manner that is well structured and clear

The end result is an overall system that is both modular and flexible, enabling it to be adapted or expanded, or to accommodate new technologies.

ADVANTAGES OF TOUCH SCREEN CONTROL PANEL

Future proof- additional alarms, interfaces and controls can be added by simply modifying the software within the panel e.g. there is no need to cut a hole in the panel facia to add a new button or indictor. The screen's smooth surface makes it easy to clean and it is designed to withstand the aggressive cleaning agents commonly used in operating theatres.

Additionally, the touch screen's innovative ergonomics are particularly well suited to medical staff needs. All the essential data for supervising the operational status of the theatre can be viewed on a single display.

Upon opening the operating theatre, nurses can quickly:

- Check the temperature, humidity, gases level
- Adjust intensity of peripheral lighting
- Check that the theatre's electrical power supply is operating normally
- Operate Music Player

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TECHNICAL DATA

POWER SUPPLY

Supply voltage	AC 230V
Frequency range	50Hz
Internal voltage	DC 12V
Power consumption	≤ 70 VA

TOUCH MONITOR

Size	21.5” Touch
Resolution	024 x 768 max. Pixel
Brightness	450cd/m^2 min.
Contrast	1000:1
Viewing angle	Horizontal/Vertical:178deg
Number of colors	16.2 Million
Response time	25 ms

0-10 V ANALOGUE INPUTS(8CHANNEL)

Max. input voltage	12V DC
Signal voltage	0-10 V
Internal resistance	> 100 kH
Resolution	12 bit
Response time	10 ms

DC 12 V DIGITAL INPUTS(16CHANNEL)

Signal voltage	(0) DC 0V
Signal voltage	(1) C 12V
Input current	2.8 mA
Electrical isolation	500 V system to supply

WALL BOX DIMENSIONS

Wall box Width700mm
Wall box Height700mm
Wall box Depth165mm

EMBEDDED PC

CPUIntel Atom 1.1 GHz/ Cortex-A5 (500 Mhz)
RAM1 GB
Mass storage2 GB, Compact Flash
Interfaces4 x USB, HD Audio
GraphicDVI (1024 x 768)
LAN1 x 10/100/1000 Mbit/s
Power supply5-25V DC
Wide range
Input current700 mA

010 V ANALOGUE OUTPUTS(8CHANNEL)

Max. output voltage10V
Signal voltage0… 10 V
Load<=500ma
Resolution12 bit
Responsetime 10 ms

POTENTIAL FREE DIGITAL OUTPUTS

LoadOhmic, Inductive, Lamp Load
Output currentmax. 5/10 A short circuit proof
Electrical isolation500 V system to supply

SPECIFICATION

Dimension	: 700mm X 700mm X 165mm
Circuit Voltage	: 24V & 12V DC
Digital Clock	: (HH:MM:SS)
Elapsed Clock	: (HH:MM:SS) (Start-Stop-Reset) Separate Switch for Display ON/OFF
Light Control	: 3 Channel (2 for peripheral Light & 1 for Plan air) 0-10V Dimming Range 2 Channel (2 for OT light on/off)
Temp/Humd.	: Display room Temp. & Humidity
Gas Alarm	: 5 Channel (4 Gases + 1 Vacuum) (High/Low/Normal/Indication)
Hans Free Phone	: Dialing & Receiving Calls with caller ID
Hepa Filter	: Shows Hepa Filter status (Normal/Choke)
Music Player	: Plays mp3 & other supported files

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