

## COMTRAXX® CP915 demonstration case



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## Components of the demonstration case

- CP915 (IP address: 169.254.0.1)
- BI800 push-button module
- Wireless router
- Power supply cord
- Ethernet port (RJ45) for LAN

## Technical data

### Voltage ranges

Nominal system voltage $U_n$	AC 100...240 V
Nominal frequency $f_n$	50/60 Hz

## Ordering information

Type	Nominal system voltage $U_n$	Art. No.
CP915 demonstration case	AC 100...240 V, 50/60 Hz	B98300024

## Commissioning the case

1. Connect power supply: The demonstration case is operated with AC 230 V, 50 Hz. The connecting cable is included.
2. The case features five buttons which can be used to illustrate different visualisation functions. (see table)

## Operating elements



- 1 - The inclination angle of the display can be adjusted with the handle
- 2 - Push-button 1 -> switch on/off roomlight 1
- 3 - Push-button 2 -> switch on/off roomlight 2
- 4 - Push-button 3 -> switch on/off ventilation
- 5 - Push-button 4 -> switch on/off alarm
- 6 - Push-button 5 -> switch on/off wireless LAN
- 7 - BMS bus: A and B
- 8 - RJ45: a separate Ethernet port is connected to the integrated switch. This port can be used to connect to the wireless router.
- 9 - Mains connection of the case, on/off switch
- 10 - The additional feet allow the display to be positioned vertically

**Overview of the programmed interface of the sales case**

**Explanation of the symbols and abbreviations**

Symbol	Meaning/Type
	Operating elements
	Display elements
	Alarms
	Global

Abbreviations	
TOE	Time Over Ethernet
UCV	Ultra Clean Ventilation
sec	Seconds

**Universal elements**

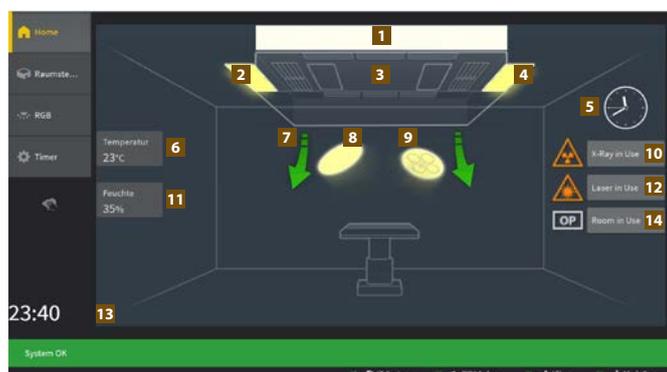
The universal elements are displayed or have an effect on every dashboard. The following universal elements are integrated in this project.



The alarm bar (displayed in green) is visible on every dashboard. This is required by the standards. If a fault occurs, a message window appears and an acoustic signal is output. The *Cleaning Mode* locks the touch screen for 20 seconds to prevent unwanted operation while the screen is being cleaned. The links allow the user to switch between the user interfaces

Widget	Type	Controlled element	Function
1		Home link	Switch to home screen automatically after 5 min.
2		Room control link	Switch to room control
3		RGB link	Switch to lighting control
4		Timer link	Switch to timers
5		CleaningModeWidget	Lock the touch screen for 20 sec.
6		Alarm group IPS	Fault monitoring of power supply
7		Alarm group UPS system	Fault monitoring of emergency power supply
8		Alarm group AHU	Fault monitoring of air handling unit
9		Alarm group Med. gases	Fault monitoring of medical gases

## Dashboard 1 (Home)



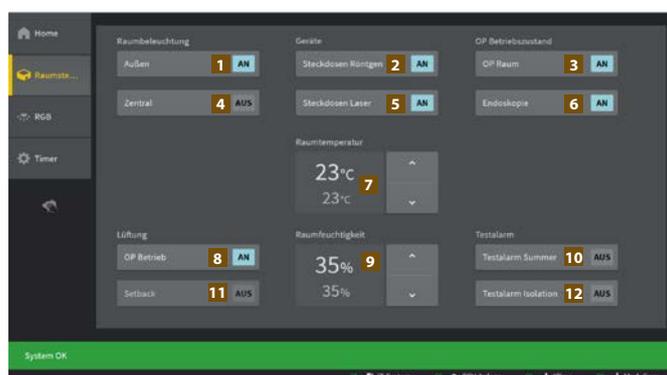
The Home screen provides a quick overview of the status of the operating theatre.

The display shows the room temperature and humidity as well as the backlight colour currently set.

Intuitive lighting control is provided by simply clicking on the illustrated room lights and operating theatre lights [elements 2, 3, 4, 8 and 9]. Workflow support is provided by information such as the time, but also by control elements for X-ray, laser and room warning signs, which are represented by the respective symbols. The state "off" is illustrated by a grey image while the state "on" is illustrated by an orange image [elements 10, 12, 14].

Widget	Type	Controlled element	Function
1		Background lighting RGB colours	Display of current colour
2		Outer room lighting	Switching the outer lighting
3		Central room lighting	Switching the central lighting
4		Outer room lighting	Switching second outer light
5		Analogue clock	Time of TOE1
6		Room temperature	Display of the UCV2 temperature sensor
7		Operating status ventilation	Operating status of UCV
8		OR satellite light	Switching satellite light ON/OFF
9		Main OR light	Switching main OR light ON/OFF
10		X-ray	Warning to staff when X-ray is in use
11		Room humidity	Display of the humidity sensor of the UCV
12		Laser	Warning to staff when laser is in use
13		Digital clock	Time of TOE
14		Room status display	Information to staff about the availability of the room

## Dashboard 2 (room control)

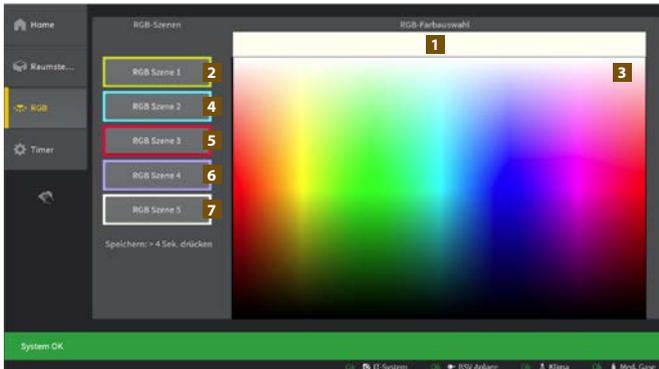


The room control screen allows the medical staff to control the following elements.

- OR lights, background lights and room lights can be switched on/off.
- Room temperature and humidity can be set to the desired value.
- Information and warning signs can be switched on/off.
- Ventilation (UCV) can be switched to full mode indicated by green arrows on the home screen or to setback mode indicated by yellow arrows on the home screen.
- The OR operating status includes multiples functions, i.e. various parameters such as room temperature, lighting, room humidity, background colour etc. are set to predefined values.

Widget	Type	Controlled element	Function
1		Outer room lighting	Switching the outer lighting
2		Socket-outlets X-ray	Enabling the supply of the X-ray unit
3		OR operating status	Predefined room parameters and custom lighting settings for standard operating theatre operation at the touch of a button
4		Central room lighting	Switching the central lighting
5		Socket-outlets laser	Enabling the supply of the laser
6		OR operating status endoscopy	Predefined room parameters and custom lighting settings for endoscopy operating theatre operation at the touch of a button
7		Room temperature	Setting the target value and displaying the actual value
8		Ventilation full mode	Ventilation is switched to full mode
9		Room humidity	Setting the target value and displaying the actual value
10		Test alarm buzzer	Control function to verify that the acoustic warning is still working
11		Ventilation setback	Ventilation is switched to setback mode
12		Test alarm insulation	Test from device alarm to insulation monitoring

**Dashboard 3 (RGB)**



The RGB screen enables the user to save different colour presets as RGB lights. Five different presets can be selected. This allows the room to be adjusted to the light colour required by the surgeon at the push of a button

Widget	Type	Controlled element	Function
1	👁️	Background lighting RGB colours	Display of current colours
2	👤👁️	RGB preset1	Save a selected background colour by pressing and holding > 4 sec
3	👤👁️	Colour Picker	Select a colour by touching it
4	👤👁️	RGB preset2	same as widget 2
5	👤👁️	RGB preset3	same as widget 2
6	👤👁️	RGB preset4	same as widget 2
7	👤👁️	RGB preset5	same as widget 2

**Dashboard 4 (Timer)**



The screen allows you to stop the time [element 1], for example, the elapsed time since the start of a surgical procedure. Or display the remaining time for a surgical procedure by count-down. [Element 4]

Widget	Type	Controlled element	Function
1	👁️	Elapsed Time Timer	Display the elapsed time since the start
2	👤	Start/Stop/Resume	Press to alternately start, stop or resume timer
3	👤	Reset	Reset the timer to zero
4	👁️	Countdown Timer	Preset time is counted down in seconds
5	👤	Start/Stop	Start and stop the countdown, the sliders are locked after start
6	👤	Reset	Set the countdown to zero
7	👤	Slide h	Set the hours for the countdown
8	👤	Slide min	Set the minutes for the countdown
9	👤	Slide sec	Set the seconds for the countdown



**Bender GmbH & Co. KG**

Londorfer Straße 65 • 35305 Grünberg • Germany  
Tel.: +49 6401 807-0 • info@bender.de • www.bender.de



**BENDER Group**