

## 2.5 Room Panels

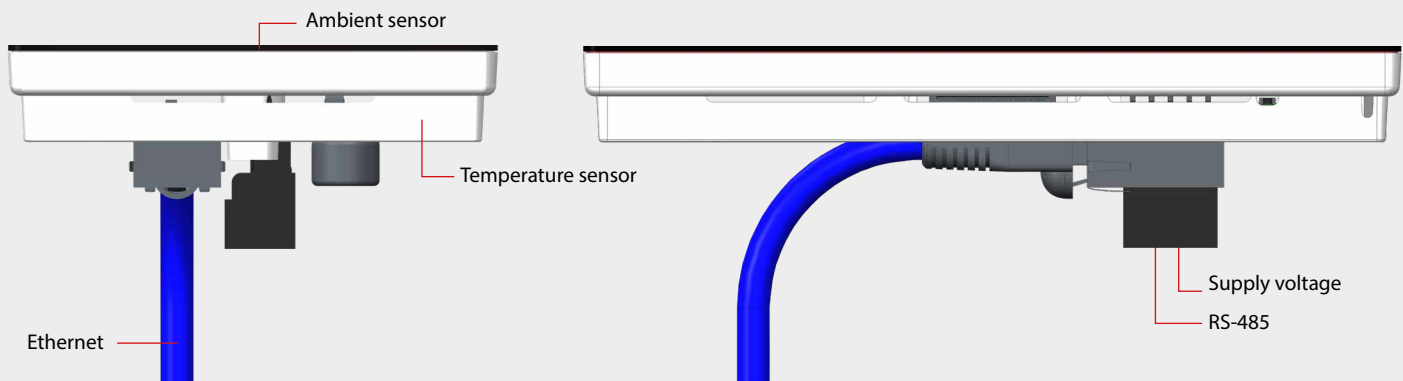
Attractively designed, in the housing colour white or black, the panels will fit beautifully into any room.

Autonomous room applications with the integrated logic controller (fully programmable) enable users to control the room functions without a head-end station and therefore the associated delays through long communication channels.



### Main features

- ▶ Fully programmable visualisation with the Web Editor 8
- ▶ Fully programmable logic controller for autonomous room applications
- ▶ Mounting in standard wall boxes
- ▶ Onboard temperature sensor
- ▶ TFT colours with a colour depth of 65,000
- ▶ Capacitive touch screen technology for a very sensitive response



### Mounting

The installation of the panels is carried out using an adapter included in the package on standardised, double wall boxes.

Such as electrical material Type No. L 8102

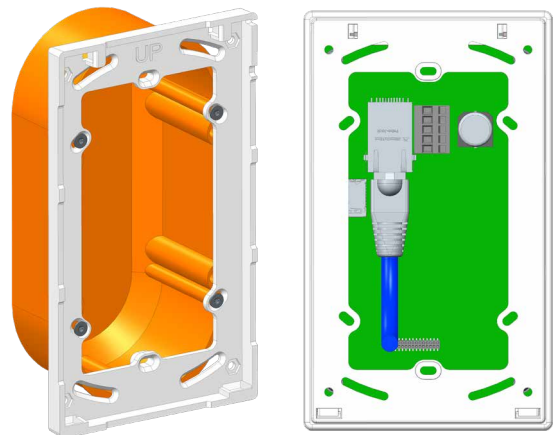
HSB-Weibel AG No. 372 104 747

Agro No. 9922

Blass-Elektro No. 22031

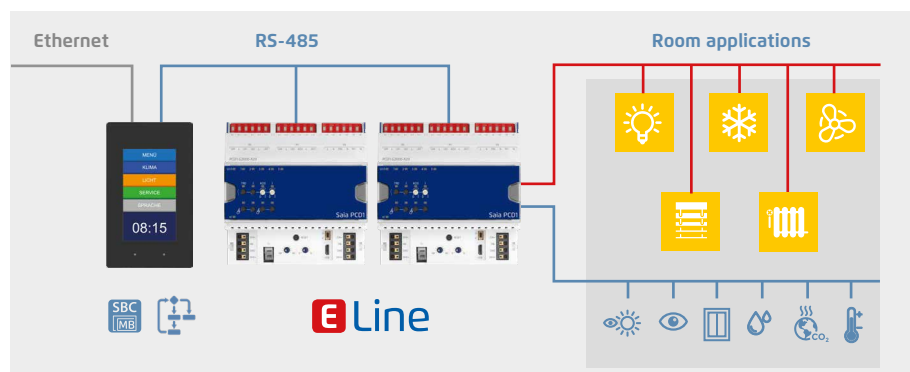
Bticino No. 504E

The panel is anchored in the adapter, and can only be removed with the use of tools.



### Application examples

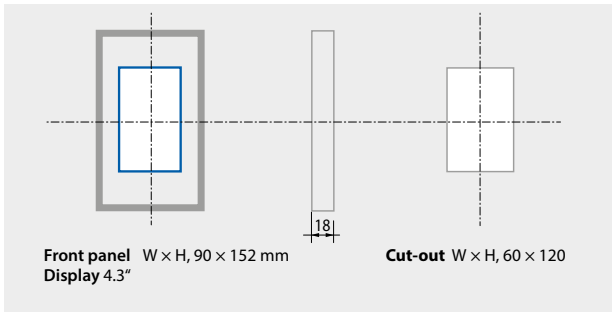
Operation and regulation of autonomous room applications. Implementation using the programmable microbrowser room panel and the E-Line RIO modules. Connection based on the RS-485 interface to the E-line modules in the room, and Ethernet connection to the floor controller.



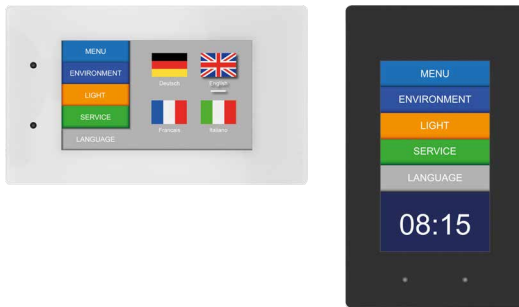
You will find more examples in Chapter B4 "Room Automation"

## Dimensions

### PCD7.D443WTxRx



### The panel can also be mounted transversely



The location of the panel can slightly influence the temperature measurement, an easy calibration allows to remedies this and so increases the accuracy.

In any case ensure that the ventilation slots are not obstructed (LED on the left side!).

## General technical data

### PCD7.D443WTxR PCD7.D443WTxRW

Operating system	Saia PCD COSinus with micro browser expansion
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<b>Display</b>	
Display size [inch]	4,3"
Resolution [pixels]	WQVGA / 480 x 272 pixels
Contrast adjustment	Yes
Background lighting	LED (dimming in 20 steps)
Touchscreen	PCAP technology

<b>Interfaces</b>	
USB	1 x (1.1 / 2.0)
Ethernet	Ethernet 10/100 full-duplex, auto-sensing/auto-crossing
Real-time clock	Yes (SuperCap)

<b>Sensors</b>	
Temperature	Accuracy: ±1°C easy calibration
<b>Power supply</b>	
Supply voltage	24 VDC ±20%
Current draw	Approx. 4 watts / 160 mA

<b>Environment</b>	
Temperature range	Operation: 0...50°C typically Storage: -25...+70°C
Humidity	Operation: 10...80%, storage: 10...80%, non-condensing
Protection class	IP20

<b>Mechanic</b>	
Weight	approx. 200 g

## Technical Data

	White case	PCD7.D443WTPRW	PCD7.D443WT5RW
	Black case	PCD7.D443WT5PR	PCD7.D443WT5R
File system		4 MB	128 MB
Logic controller (no remanence)		No	Yes
User program, ROM/DB/Text		No	128 KB
RAM/DB/Text		No	128 KB
Media		No	16,384 flags / 16,384 registers
Memory for parameter (media) backup		No	1,000 non-volatile registers
Serial interfaces		No	RS-485

**!** To restrict the maintenance there is no internal battery on the devices and therefore the Media are non-retentive. However, the "EL Backup Restore Media" FBox from the E-Suite Library allows to easily backup in the non-volatile registers the values which has to be stored, like the adjust parameters.

