Annunciator and control devices of the HospEC® system

Short overview

Short overview of annunciator and control devices in the system HospEC®	BMTI 1	BMTI 2	BMTI 4	BMTI 5	Annunciator and control panels series FolioTec
Compatibility in the HospEC® system	✓	✓	✓	✓	✓
Communication via CAN bus	✓	✓	✓	✓	✓
Supply voltage	DC 24 V	DC 24 V	DC 24 V	DC 24 V	AC 230 V 50 Hz
Triggering of the insulation test 230 V	✓	✓	✓	✓	✓
Messages/signals of the CAN bus are displayed	✓	✓	✓	✓	✓
Messages/signals of the CAN bus are decoupled digitally	-	-	-	✓[1]	✓[1]
Integrated signal relay	-	-	✓	✓	✓
Maximum number of different messages	5	9	200	1000	1000
Integrated message history - number of messages	-	-	200	500	500
Individual messages	-	-	✓	✓	✓
Assignment of messaging priorities (operation/warning/fault)	-	-	✓	✓	✓
Messages with full-graphic display/LED	-/LED	-/LED	✓/ LED	✓/ LED	✓/ LED
Function digital in-/outputs to/fromCAN bus	-	-	✓[1]	✓[1]	✓[1]
Digital input channels	-	-	6[1]	16[1,2]	16[1,2]
Digital output channels	-	-	2[1]	16[1,2]	16[1,2]
CAN routing function	-	-	-	✓[1]	✓[1]
CAN modbus gateway	-	-	-	✓[1]	✓[1]
Parameterization of devices of the series RCM	-	-	-	✓	✓
Installation of OR table control, clocks, verbal communication, digital displays	-	-	-	-	✓
Freely parameterizable functions for LEDs; push-buttons and multi-function illuminated pushbuttons	-	-	-	-	✓
Closed permanently durable foil surface - resistant to cleaning agents	✓	✓	✓	✓	✓
Installation	in installation boxes UP	in installation boxes UP	wall-cavity/flush-mounted/wall-mounted	wall-cavity/flush-mounted/wall-mounted	wall-cavity/flush-mounted/wall-mounted
Dimensions (HxWxD)	80 x 80 x 37	80 x 80 x 37	171 x 86 x 59	171 x 86 x 59	max. 800 x 800 x 85
Order number: (flush-mounted)	**ESA.0080234**	**ESA.0080235**	**ESA.0080022**	**ESA.0080213[3]**	**on request**

✓ yes   - no   [1] with additional circuit board   [2] Channels can be parameterized as in- or outputs by choice.   [3] basic design (without additional circuit board)

Requirements

Information about the complete system – from the medical-technical to the building-technical component – has to be provided centrally and decentrally to the user assigned to the individual locations. The system must be able to be operated from these locations as well. As, especially in hospitals, the personnel has to process a lot of information the display and control device should only „display as much as necessary". If there is any operation necessary, it has to be fast, intuitive and capturable with one sight.

Our solution

With the annunciator and control devices, we provide a system to our customers which realizes all necessary control and operating functions and adheres to the requirements typical for hospitals.
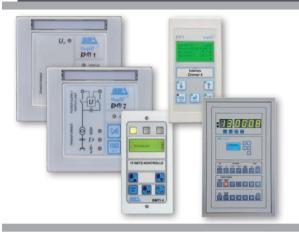
Your advantage

- especially designed for the use in medical locations
- designed for the fast capture of all necessary messages
- simple, clear and intuitive operation
- buttons and displaying elements illuminated by multi-colored LEDs
- closed multi-layered and permanently durable foil surface, resistant to cleaning and desinfecting agents, UV-resistant
- high IP code of the operating surfaces (IP54)
- communication via standard field bus (CAN) with all devices of the HospEC® system
- problem-free integration into the building services control system
- connection of control and regulation functions also for external systems possible
- general processing of data of the systems, no fixed and pre-defined warning and operating messages
- simple operation with small buttons and simple menu structure

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BMTI 1 and BMTI 2 –
space savers for simple applications

The devices need no displays and only need as little space as a light switch. They can only evaluate a limited number of change-over and monitoring devices. Messages are displayed via LEDs and accoustically. BMTI 1: only evaluation of the insulation, load and temperature monitoring, BMTI 2: additionnally evaluation of the change-over devices.

BMTI 4 –
display with signal light

The BMTI 4 has a classic signal light for messages to signal the operation mode "operation" (green), "warning" (yellow) and "fault" (red). with the help of the display and 200 displayable messages, it is designed for modest demands on the messages. A message history is already integrated as non-volatile memory.
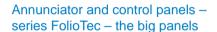
BMTI 5 –
the small panel

The functions of BMTI 5 already meet the requirements of big panels. 1000 different messages can be displayed. The non-volatile history saves a maximum of 500 messages. With an additional circuit board, the BMTI 5 can have up to 16 digital in- and outputs. Furthermore, there is the complete Modbus functioning (BMTI 5 as slave). Different message levels are signalled by the different display lights (green, yellow, red).

Annunciator and control panels –
series FolioTec – the big panels

Annunciator and control panels serve for the display of operating and fault messages of IT systems, change-over controls, for the display of measured values and messages of all devices of the HospEC® system for messages of external devices, OR table control, integration of the verbal communication, light control, blend control, display and control of further procedures of the complete system. The panels are customized. Their dimensions can be varied widely.

Annunciator and control panels

panels