



## SPCE120

### Indication Expander

### User Guide

3.4

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# 1 Security

## 1.1 Target group

The instructions in this documentation are directed at the following target group:

Target readers	Qualification	Activity	Condition of the product
End user	Instruction by technical specialists is necessary.	Performs only the procedures for proper operation of the product.	The product is installed and configured.

## 1.2 General safety instructions

### 1.2.1 General information

- Keep this document for later reference.
- Always pass this document on together with the product.
- Please also take into account any additional country-specific, local safety standards or regulations concerning project planning, operation and disposal of the product.

#### Liability claim

- Do not make any changes or modifications to the device unless they are expressly mentioned in this manual and have been approved by the manufacturer.

### 1.2.2 Operation

#### Dangerous situation due to false alarm

- Make sure to notify all relevant parties and authorities providing assistance before testing the system.
- To avoid panic, always inform all those present before testing any alarm devices.

### 1.2.3 Service and maintenance

#### Danger of electrical shock during maintenance

- Maintenance work must only be carried out by trained specialists.

#### Danger of electrical shock while cleaning the device


- Do not use liquid cleaners or sprays that contain alcohol, spirit or ammonia.


## 1.3 Meaning of written warning notices

Signal Word	Type of Risk
DANGER	Danger of death or severe bodily harm.
WARNING	Possible danger of death or severe bodily

Signal Word	Type of Risk
	harm.
CAUTION	Danger of minor bodily injury or property damage
IMPORTANT	Danger of malfunctions

### 1.4 Meaning of hazard symbols

	<b>⚠ WARNING</b>
	Warning of hazard area

	<b>⚠ WARNING</b>
	Warning of dangerous electrical voltage

## 2 Directives and standards

### 2.1 EU directives

This product complies with the requirements of the European Directives 2004/108/EC "Directive of Electromagnetic Compatibility", 2006/95/EC "Low Voltage Directive", and 1999/5/EC on Radio and Telecommunications Terminal Equipment (R&TTE). The EU declaration of conformity is available to the responsible agencies at: <http://pcd.vanderbiltindustries.com/doc/SPC>

#### European Directive 2004/108/EC „Electromagnetic Compatibility”

Compliance with the European Directive 2004/108/EC has been proven by testing according to the following standards:

emc emission	EN 55022 Class B
emc immunity	EN 50130-4

#### European Directive 2006/95/EC „Low-Voltage Directive”

Compliance with the European Directive 2006/95/EC has been proven by testing according to the following standard:

Safety	EN 60950-1
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#### 2.1.1 Security Standards

The SPCE120.100 is approved according to the following standards:

Product	Standard
SPCE120.100	EN50131-3:2009, Grade 3, Class II, Type B

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## 3 Introduction

SPCE120 is a universal display module with 16 LEDs and 4 keys. In linked mode with the SPCK620/23, the LEDs indicate the status of 4 areas which can be controlled with function buttons. In flexible mode, the function of the LEDs and keys can be freely programmed. The expander features a buzzer for acoustic notification, an integrated EM4102 card reader to activate LED's and function keys and one freely programmable zone input.

## 4 Operating

### 4.1 Operation modes

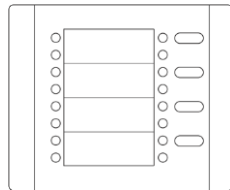
The SPCE120 is a universal indication module with 16 LEDs and 4 function keys. There are two possible modes of operation:

- In linked mode with SPCK620 / 623, the status of 4 areas is displayed with LEDs and setting is possible with function keys (depending on the configuration of the control panel).
- In flexible mode, the function of LEDs and keys can be freely. The module also provides a programmable buzzer for acoustic notification a card reader and an input which is freely configurable.



#### **NOTICE**

Please ask your installer which operating mode (linked or flexible) is used to operate the device and which functions have been set for the device during installation.



SPCE120

### 4.2 Linked Mode

#### 4.2.1 Activation

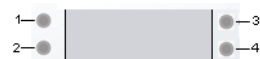
In linked mode the SPCE120 is activated after a valid user PIN is entered in the assigned keypad. Both the SPCK4xx standard keypad and the SPCK 62x comfort keypad can be assigned to the indication module.

#### 4.2.2 Function of the keys and displays

##### Keys

Set/unset the area next to the key.

##### LEDs



LEDs for partition Global Office



LED / colour	Description
1 / red	Alarm in area (blinks).
2 / amber	Trouble LED (blinks).
3 / green	Status: <ul style="list-style-type: none"><li>● Unset (glows)</li><li>● Fullset (dark)</li><li>● Part set (blinks)</li></ul>
4 / amber red	Information available (system could be forced set).The system can not be set (blinks).

### 4.2.3 Set / unset

You can switch an area in the following states:

- Fullset or partset (depending on configuration)
- Unset

Prerequisites for changing an area:

- You are logged in.

**How to set or unset an area**

- Press the key next to the area you want to set/unset.
  - ⇒ The state of the area/area group is changed.

## 4.3 Flexible mode

The function of the LEDs and keys depend on configuration of the panel.



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Please ask your installer which functions have been set for the device during installation.

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### 4.3.1 Activation

In the flexible mode the SPCE120 indication module could be deactivated by following conditions

- Calendar
- Mapping Gate
- Keyswitch
- Keypad
- Internal card reader of indication expander

**NOTICE**

Please ask your installer which functions have been set for the device during installation.

## 4.3.2 Function of the keys and displays

### Keys

Following functions can be assigned to a key

- Unset
- Partset A
- Partset B
- Fullset
- Toggle Unset / Fullset
- Toggle Unset / Partset A
- Toggle Unset / Partset A
- Freely configured via mapping gates

**NOTICE**

Please ask your installer which functions have been set for the device during installation.

### LEDs

The color, function and frequency of the LEDs can be freely configured.

Following colors are available:

- Red
- Amber
- Green

Following frequencies are available:

- Permanent
- Flash slow
- Flash medium
- Flash fast

**NOTICE**

Please ask your installer which functions have been set for the device during installation.

## 5 Label stripes

The replaceable label stripes show the names of the areas or functions assigned to the LED indication.



### **NOTICE**

The label stripe must only be replaced by the installer (indication expander must be opened).

#### **Instructions to print label stripe:**

1. Open the file 'SPCE120\_Label\_v1\_Linked\_Mode.doc' / 'SPCE120\_Label\_v1\_Flexible\_Mode.doc' on the CD delivered.
2. Fill the templates with the names of the areas or function.
3. Print the file (use paper 0.165 to 0.25 mm).

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