

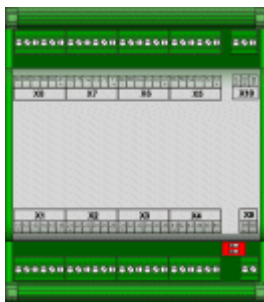
# Extension Module X332 designed for Xcome

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**Please note:**

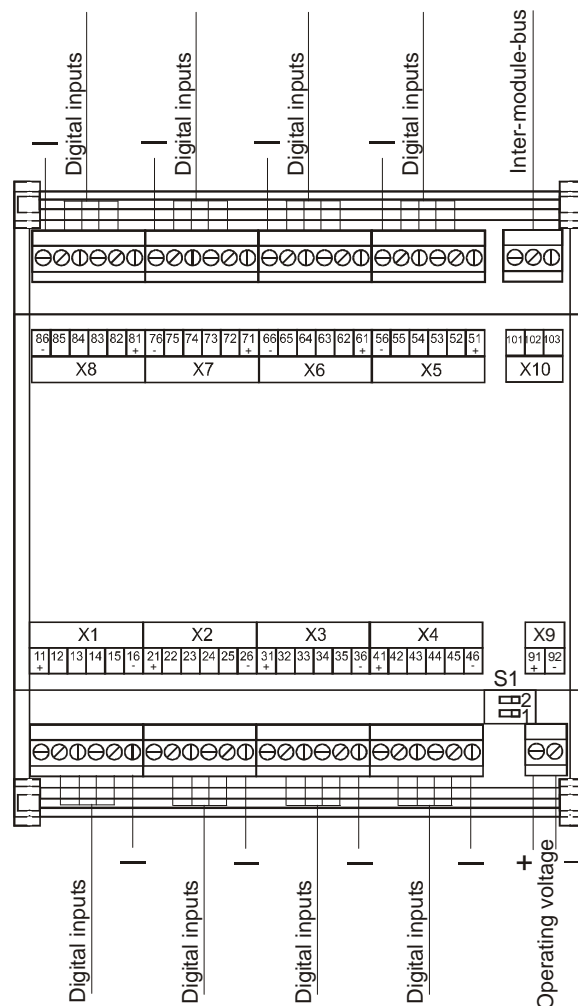
**Extension module X332 is designed to work in combination with Lucom's Xcome A200 and G200 alarm moduls with firmware version 38224 (or higher).**

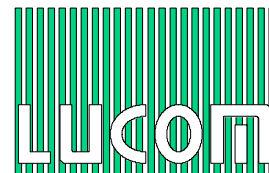
## 1. Connectors



The extension module X332 expands the number of input ports of one Xcome unit.

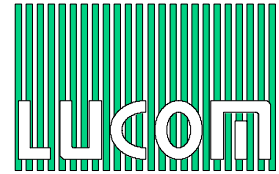
To connect X332 with Xcome base module, connect Xcome's terminal block X3 (pins 31 + 32) with X332's terminal block X10 (pins 101 and 102).





## 2. Terminal overview

| Terminal block name | PIN number | Signal                      | Comment          |
|---------------------|------------|-----------------------------|------------------|
| X1                  | 11         |                             |                  |
|                     | 12         | 0 – 30 V DC signalling line | digital input 1  |
|                     | 13         | 0 – 30 V DC signalling line | digital input 2  |
|                     | 14         | 0 – 30 V DC signalling line | digital input 3  |
|                     | 15         | 0 – 30 V DC signalling line | digital input 4  |
|                     | 16         | - GND (minus)               |                  |
| X2                  | 21         |                             |                  |
|                     | 22         | 0 – 30 V DC signalling line | digital input 5  |
|                     | 23         | 0 – 30 V DC signalling line | digital input 6  |
|                     | 24         | 0 – 30 V DC signalling line | digital input 7  |
|                     | 25         | 0 – 30 V DC signalling line | digital input 8  |
|                     | 26         | - GND (minus)               |                  |
| X3                  | 31         |                             |                  |
|                     | 32         | 0 – 30 V DC signalling line | digital input 9  |
|                     | 33         | 0 – 30 V DC signalling line | digital input 10 |
|                     | 34         | 0 – 30 V DC signalling line | digital input 11 |
|                     | 35         | 0 – 30 V DC signalling line | digital input 12 |
|                     | 36         | - GND (minus)               |                  |
| X4                  | 41         |                             |                  |
|                     | 42         | 0 – 30 V DC signalling line | digital input 13 |
|                     | 43         | 0 – 30 V DC signalling line | digital input 14 |
|                     | 44         | 0 – 30 V DC signalling line | digital input 15 |
|                     | 45         | 0 – 30 V DC signalling line | digital input 16 |
|                     | 46         | - GND (minus)               |                  |
| X5                  | 51         |                             |                  |
|                     | 52         | 0 – 30 V DC signalling line | digital input 17 |
|                     | 53         | 0 – 30 V DC signalling line | digital input 18 |
|                     | 54         | 0 – 30 V DC signalling line | digital input 19 |
|                     | 55         | 0 – 30 V DC signalling line | digital input 20 |
|                     | 56         | - GND (minus)               |                  |
| X6                  | 61         |                             |                  |
|                     | 62         | 0 – 30 V DC signalling line | digital input 21 |
|                     | 63         | 0 – 30 V DC signalling line | digital input 22 |
|                     | 64         | 0 – 30 V DC signalling line | digital input 23 |
|                     | 65         | 0 – 30 V DC signalling line | digital input 24 |
|                     | 66         | - GND (minus)               |                  |
| X7                  | 71         |                             |                  |
|                     | 72         | 0 – 30 V DC signalling line | digital input 25 |
|                     | 73         | 0 – 30 V DC signalling line | digital input 26 |
|                     | 74         | 0 – 30 V DC signalling line | digital input 27 |
|                     | 75         | 0 – 30 V DC signalling line | digital input 28 |
|                     | 76         | - GND (minus)               |                  |
| X8                  | 81         |                             |                  |
|                     | 82         | 0 – 30 V DC signalling line | digital input 29 |
|                     | 83         | 0 – 30 V DC signalling line | digital input 30 |
|                     | 84         | 0 – 30 V DC signalling line | digital input 31 |
|                     | 85         | 0 – 30 V DC signalling line | digital input 32 |
|                     | 86         | - GND (minus)               |                  |



| Terminal block name | PIN number | Signal        | Comment   |
|---------------------|------------|---------------|---|
| X9                  | 91         | +12/24 V DC   | Operating voltage   |
|                     | 92         | - GND (minus) | Operation voltage   |
| X10                 | 101        | B             | Connect this pin with terminal block X3, terminal pin 31 of your Xcome unit (RS 485 module bus) |
|                     | 102        | A             | Connect this pin with terminal block X3, terminal pin 32 of your Xcome unit (RS 485 module bus) |
|                     | 103        | - GND         | Inter-Module-Bus  |

### 3. Digital Input Ports

If Xcome and X332 extension module are connected together, one can choose option „**Digital I/O Extension-Module**” in Xcome’s main menu to configure the input ports of the extension module (see Xcome manual, chapter 6.2.1.2).

#### Input port selection

Max. 32 input ports (Terminal pins 12 – 15, 22 – 25, 32 – 35, 42 – 45, 52 – 55, 62 – 65, 72 – 75, 82 – 85 )

#### Input port:

- Selection, if active at a voltage level of “High” or “Low” (closing contact or opening contact)
- Debouncing time 1 sec. (default setting), max. 25s adjustable
- Insert message string for “high” and “low” voltage level: max. 16 characters, **no german umlauts are allowed**

### Digital I/O (Extension-Module)

Extension-Module: **detected**

Terminal:  Input: 1

Input is active with  [High]  [Low] level.

Debouncing time  s

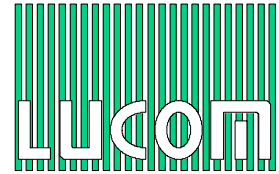
Text for High:

Text for Low:

➔ press „OK“

After button OK has been pressed, wait some seconds till your browser shows information, that the process has been “**finished**“ (see status line of your browser)!

➔ Select button „Back“ to go back to main menu



## Message text

In main menu of your Xcome unit select option “Alarm messages” to configure the text you want to send by using the Xcome (see Xcome manual, chapter 6.2.1.2). One can allocate a message text to each input port. All input ports are called ExDI1 ... ExDI 32.

The Xcome is able to handle serial input ports called “SI” in addition to the ExDIs. Both (serial ports and digital input ports) have to be configured by using the same “input” channel (drop down option “input”) in menu “Alarm messages”.

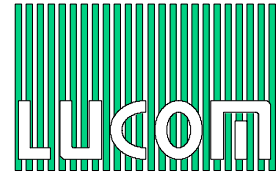
All available options of the text body one can use are described in Xcome’s manual (see chapter 6.2.9). But you are free to type in your own text (without addition options/variables as described in the Xcome manual).

| Message | Service | Ack                      | Weekday [all <input checked="" type="checkbox"/>  | from  | to    |
|---------|---------|--------------------------|---|-------|-------|
| 1       | D1 SMS  | <input type="checkbox"/> | <input checked="" type="checkbox"/> Sun <input checked="" type="checkbox"/> Mon <input checked="" type="checkbox"/> Tue <input checked="" type="checkbox"/> Wed <input checked="" type="checkbox"/> Thu <input checked="" type="checkbox"/> Fri <input checked="" type="checkbox"/> Sat | 00:00 | 23:59 |
| 2       | D1 SMS  | <input type="checkbox"/> | <input checked="" type="checkbox"/> Sun <input checked="" type="checkbox"/> Mon <input checked="" type="checkbox"/> Tue <input checked="" type="checkbox"/> Wed <input checked="" type="checkbox"/> Thu <input checked="" type="checkbox"/> Fri <input checked="" type="checkbox"/> Sat | 00:00 | 23:59 |
| 3       | D1 SMS  | <input type="checkbox"/> | <input checked="" type="checkbox"/> Sun <input checked="" type="checkbox"/> Mon <input checked="" type="checkbox"/> Tue <input checked="" type="checkbox"/> Wed <input checked="" type="checkbox"/> Thu <input checked="" type="checkbox"/> Fri <input checked="" type="checkbox"/> Sat | 00:00 | 23:59 |
| 4       | D1 SMS  | <input type="checkbox"/> | <input checked="" type="checkbox"/> Sun <input checked="" type="checkbox"/> Mon <input checked="" type="checkbox"/> Tue <input checked="" type="checkbox"/> Wed <input checked="" type="checkbox"/> Thu <input checked="" type="checkbox"/> Fri <input checked="" type="checkbox"/> Sat | 00:00 | 23:59 |
| 5       | D1 SMS  | <input type="checkbox"/> | <input checked="" type="checkbox"/> Sun <input checked="" type="checkbox"/> Mon <input checked="" type="checkbox"/> Tue <input checked="" type="checkbox"/> Wed <input checked="" type="checkbox"/> Thu <input checked="" type="checkbox"/> Fri <input checked="" type="checkbox"/> Sat | 00:00 | 23:59 |
| 6       | D1 SMS  | <input type="checkbox"/> | <input checked="" type="checkbox"/> Sun <input checked="" type="checkbox"/> Mon <input checked="" type="checkbox"/> Tue <input checked="" type="checkbox"/> Wed <input checked="" type="checkbox"/> Thu <input checked="" type="checkbox"/> Fri <input checked="" type="checkbox"/> Sat | 00:00 | 23:59 |
| 7       | D1 SMS  | <input type="checkbox"/> | <input checked="" type="checkbox"/> Sun <input checked="" type="checkbox"/> Mon <input checked="" type="checkbox"/> Tue <input checked="" type="checkbox"/> Wed <input checked="" type="checkbox"/> Thu <input checked="" type="checkbox"/> Fri <input checked="" type="checkbox"/> Sat | 00:00 | 23:59 |
| 8       | D1 SMS  | <input type="checkbox"/> | <input checked="" type="checkbox"/> Sun <input checked="" type="checkbox"/> Mon <input checked="" type="checkbox"/> Tue <input checked="" type="checkbox"/> Wed <input checked="" type="checkbox"/> Thu <input checked="" type="checkbox"/> Fri <input checked="" type="checkbox"/> Sat | 00:00 | 23:59 |

→ click button **OK** for each port (ExDI) you have configured

After button OK has been pressed, wait some seconds till your browser shows information, that the process has been **“finished”** (see status line of your browser)!

→ Select button „Back“ to go back to main menu



## 4. Reset of an input port

During normal operation all triggered input ports will reset to their initial state automatically. In case the reset does not work because of several reasons or the reset speed is too slow, one can reset all input ports by using DIP switch S1 manually. Have a look to the steps described in the table below:

### Steps Description

- 1 Power off the unit
- 2 Switch S1/2 to ON
- 3 Power on the unit
- 4 After all states are reset power off the unit again
- 5 Switch S1/2 to OFF
  
- 6 All initial states are recovered now.



**Note:** The lower switch named S1/1 needs to be OFF all the time! Also do not touch the jumper beside terminal block X11!

## 5. Technical parameters

|                                |   |
|--------------------------------|---|
| Operating voltage              | 10 ... 30VDC  |
| Charging rate (analogue unit)  | - at 12V: approximately 50mA during normal operating state<br>- at 24V: approximately 35 mA during normal operating state |
| Terminals                      | Screw terminals   |
| Messages                       | 1 message per input port, to max. 8 different targets   |
| Input ports                    | 32 digital input ports, each port can be configured as a closing contact or opening contact                               |
| Connection type to Xcome       | RS 485  |
| Dimension (width/height/depth) | 110 x 125 x 60 mm   |
| Mounting                       | Top hat rail mounting (35mm, DIN EN 50022)  |
| Temperature during operation   | -20°C up to + 60°C  |
| Humidity                       | Max. 90%, non-condensing  |