



# VISIOVENT



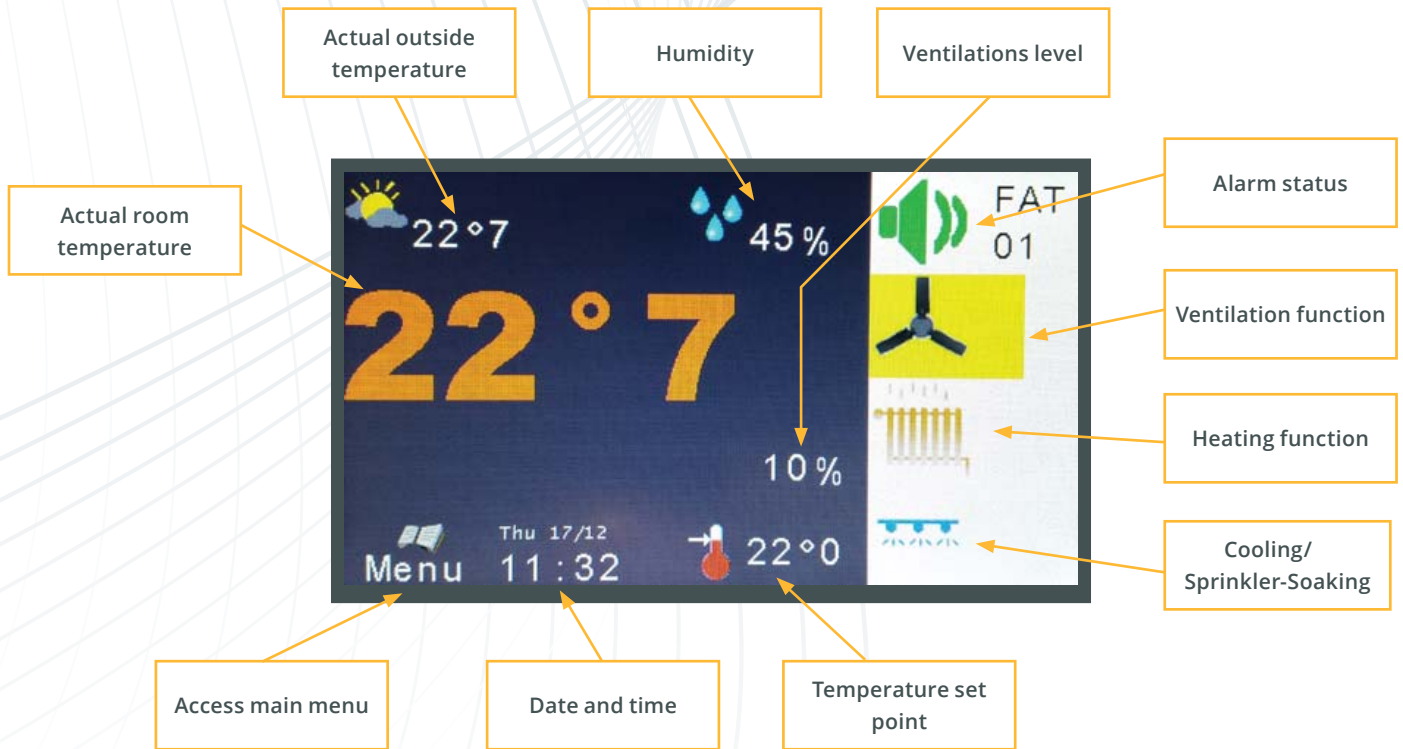
SKIOLD MAKES THE DIFFERENCE!

## PRECISE CONTROL OF VENTILATION, HEATING, SOAKING, HIGH PRESSURE COOLING AND SPRINKLING

- 4,3" colour display with eminent legibility
- Ergonomic touch-screen, which can be served even when wearing gloves
- Intuitive navigation with numerous short cuts
- Direct access to the most important instructions
- Stocking of historic data – a lot of information
- Realtime clock
- Possibility for surveillance of PM motors/servomotors/frequency converters
- Integrated communication software.



# Display:



## Explanation \*

\*1. Temperature input is designed to read the value from a temperature sensor (resistor). These sensors are normally used to show the room temperature and the outside temperature. They can also be used to show the temperature in an air exchanger, the temperature in the climate pen (under the cover).

\*2. The 0-10 VDC analog input can be used to read the value from a humidity sensor, CO<sup>2</sup> sensor, pressure sensor or any other sensor that can transmit a 0-10 or 2-10VDC signal to the controller.

\*3. The digital input can be used to read on/off pulses from e.g. a measuring fan, a water measuring unit, or relay signal (alarm) from Pm fan motors, frequency converters or servomotors (La12 and La35).

\*4. 0-10 VDC analog output is used to control the speed of the fan (PM motors/3 phase asynchronous motor with frequency drive/single phase motors controlled by a Triac slave). The position of the servomotor for the damper, in the chimney. The position of the servomotor, for opening the air inlets. The position of the servomotor to control the room heating shunt. Several other actuators that can be controlled by 0-10/2-10/10-0/10-2VDC.

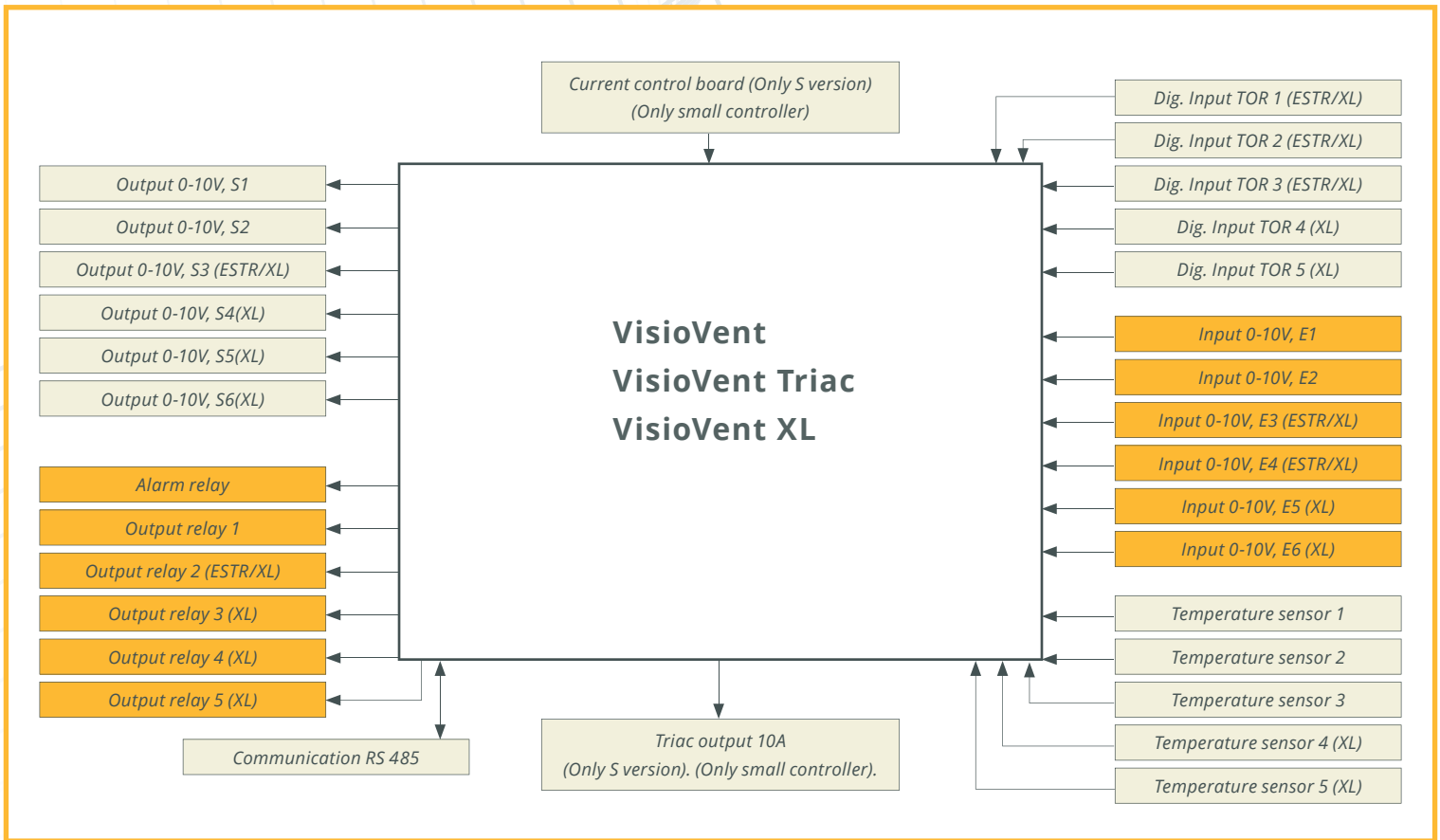
\*5. The communication port in each controller is connected via a 2 wire communication cable, and nothing else. The communication between the controllers can be used to e.g. distribute the outside temperature signal from the controller that is placed in the northern end of the building, to all the other controllers, so that you only need 1 sensor for that. If you want to communicate with a PC you need a RS485 to USB converter.

\*6. The Triac output can control the speed of a single phase fan motor.

\*7. The current control board is used only with the Triac output, and can give a reading of the motor current.

Description	VisioVent	VisioVent Triac	VisioVent XL
<b>Item no.</b>	<b>140 603 000 080</b>	<b>140 603 000 081</b>	<b>140 603 000 052</b>
Temperature input, *1			
Temperature input sensor 1-3	✓	✓	✓
Temperature input sensor 4-5			✓
Input 0-10VDC, *2			
Input 0-10VDC, E1-E2	✓	✓	✓
Input 0-10VDC, E3-E4	✓ (ESTR)	✓ (ESTR)	✓
Input 0-10VDC, E5-E6			✓
Digital input, *3			
Digital input, TOR 1-3	✓ (ESTR)	✓ (ESTR)	✓
Digital input, TOR 4-5			✓
Output 0-10VDC, *4			
Output 0-10VDC, S1-S2	✓	✓	✓
Output 0-10VDC, S3	✓ (ESTR)	✓ (ESTR)	✓
Output 0-10VDC, S4-S6			✓
Output relay, max. 2A/250VAC.			
Output relay 1 NO	✓	✓	✓
Output relay 2 NO	✓ (ESTR)	✓ (ESTR)	✓
Output relay 3 NO			✓
Output relay 4 NO/NC			✓
Output relay 5 NO/NC			✓
Output alarm relay, NO, max. 100mA/24V	✓	✓	
Output alarm relay, NO, max. 2A/250VAC.			✓
Communication RS485, *5			
Communication between controllers and/or PC	✓	✓	✓
Communication between controller and 16 relay output module.			✓
Output TRIAC 10A, *6		✓	
Current control board, *7		✓	
Supply output 16 VDC only for sensors	✓	✓	
Supply output 10/15 VDC only for sensors (only with ESTR card).	✓	✓	
Supply output 10/15/24 VDC only for sensors			✓
Cable glands			
8 X M20	✓	✓	
16 X M20			✓
Power consumption	1 A.	10 A.	1 A.
Dimension H X W X D in mm. Box material, PolyCarbonate. IP55.	240+20 (cable glands) X 191 X 107,4.	240+20 (cable glands) X 191 + 11 (heat sink) X 107,4.	239+20 (cable glands) X 289 X 107.
Weight in grams.	2000	2250	2800
Power supply 207-244VAC/50 Hz.	✓	✓	✓

# I/O overview:



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