XP line
small size, great power

XP65 Ventilation control

POLA
The main feature of the XP65 is the color display screen (3.5”) with 320x240 dots resolution with led backlighting. XP61 is made in DIN 96x96 format and the module dimensions are 96x96mm.

The user interface is easy and friendly. The easy touch screen system gives both the typical “easy to use” approach of a touch screen system and the strength and mechanical protection of a polycarbonate IP54 keyboard.

At every screen the function keys display a different graphic making the program very user friendly.

The user can select the display language: all the wordings, acronyms and “help” texts for programming assistance will be displayed in the chosen language.

Each programming step has its own help screen so the program has a “built in” instruction manual.
XP65 controls 5 steps on-off ventilation.

The temperature probe controls the parameters of Ventilation, Flaps, Heating system, Cooling system and Alarm. XP65 can also be connected to the %RH probe (to operate the Ventilation conditioning and the Cooling system), CO2 probe and to the Depressiometer (to operate flaps). Flaps can also be set to work according to indoor temperature (Proportional or Floating Mode) or according to ventilation step (Associative Mode).

The daily archive records the following parameters:

- Min-Average-Max Indoor Temperature
- Min-Average-Max Indoor %RH
- Min-Average-Max Indoor CO2
- Heating system working time

In the archive are also stored the total working time of the cycle (working hours of Ventilation and Heating Systems)
Ventilation operating diagram

Steps regulation (ventilation Off-On)

Steps:
1. Temperature set
2. Air exchange
3. On/Off
4. Step intervento
5. On/Off

Temperature set
Ambient temperature

Increase/Reduction ventilation set for humidity

- Minimum humidity
- Maximim humidity

Reduction ventilation set for CO2

- Maximum CO2

Ambient humidity
Ambient CO2
Inputs and outputs

**Inputs**
- Temperature probe
- Humidity probe
- CO2 probe
- Pressure probe
- Potentiometer

**Outputs**
- Ventilation (relay 1-2-3-4-5)
- HDY6 outputs (optional slot)
- Heating
- Flap
- Cooling
- Watch-dog
- Alarm

Other available connections
- **USB plug**
  XP65 has a USB plug on the back. When selecting the USBP option you can get a USB plug with a (IP65) protection cap externally mounted so you can access the USB without having to go to the back of the unit.
- **XNET**
  Network connection card (optional) for XP65 processor (see remote supervision).
Temperature / humidity sensors combination

**CLIMATE DETAILS**

**Only Temperature control**

| Temperature | 24.8° | Cooling | 30.0° | Temp. Set | Off | Output state |

**Temperature & Humidity control**

| Temperature | 24.8° | Humidity | 62% | 80% | 0% | Humid. limit | Off | Output state |

**Option to order**

- **SX**
  - Temperature probe

- **WT1**
  - Psychrometric kit dry and wet bulb

- **SX**
  - Temperature probe

- **RHR + HA20s**
  - 0...100% humidity probe + Power supply

Or

**Option to order**
The communication with the outside world is performed by USB key.

- **Export archives**
  XP65 save in the USB memory a file containing all the day by day recorded data of the cycle. Connecting the USB key to a PC and by using the XP65 Dialogue software you can browse the recorded data in grid or graph formats.

- **Importing / saving the setting**
  You can save a file with all back-up infos on a USB file. Saved settings can be uploaded on XP65 anytime by a user friendly procedure.
Remote supervision of XP65 processors grants full management of system by PC.

The XP65 Net Pro supervision software enables the full remote control of network connected processors. ULAN peripheral is connected to PC through a USB connection. XP65 – ULAN connection is done by a simple 3 wires cable. In all cases where ULAN cannot be cabled to XP65 we can supply TR04 radio-modems with a reach of 400 mt.

Components for creating a supervision system:
- ULAN: Network server PC (with USB connection)
- XNET: Network adapter card (one for each XP65)
- TR04: Radio-modem 485 (optional, to be used only when cable connection is not possible, they need at least 2)
<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
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<tbody>
<tr>
<td>XP65</td>
<td>Ventilation control (DIN96 panel mounting)</td>
</tr>
<tr>
<td>SX</td>
<td>Temperature probe</td>
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<tr>
<td>WTI</td>
<td>Psycrometric kit to control the ambient %RH.</td>
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<td></td>
<td>Includes the SX temperature sensor (so no need to order an extra SX when</td>
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<td></td>
<td>the WTI kit is installed)</td>
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<tr>
<td>W01</td>
<td>IP54 box for wall mounting + gasket + transparent cover</td>
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<tr>
<td>USBP</td>
<td>USB IP65 external plug (to be mounted externally, for access to the USB</td>
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<tr>
<td></td>
<td>without the need to access the back of the XP65)</td>
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<tr>
<td>HDY6</td>
<td>Relays extension slot</td>
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<tr>
<td>RHR</td>
<td>0...100% humidity probe</td>
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<tr>
<td>CO2E</td>
<td>0...10.000 ppm Carbon dioxide (CO2) probe</td>
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<tr>
<td>HA20s</td>
<td>Power pack for RHR humidity probe (N. 1 HA20s for each probe)</td>
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<tr>
<td>DP59/W</td>
<td>Air pressure transmitter</td>
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<tr>
<td>PT</td>
<td>Flap feedback potentiometer</td>
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<tr>
<td>HP29</td>
<td>Independent alarm temperature/pressure/watch dog</td>
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<tr>
<td>XNET</td>
<td>Network nodal point</td>
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<tr>
<td>ULAN</td>
<td>Network server PC (with USB connection)</td>
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<tr>
<td>TR04</td>
<td>Radio-modem 48S (IP55 junction box with power supply 230/12v)</td>
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