XP line
small size, great power

XP66 Ventilation control
Main feature

The main feature of the XP66 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.
XP66 controls 5 steps on-off ventilation. Also it features one 0-10V output to control fans by inverter.

The temperature probe controls the parameters of Ventilation, Flaps, Heating system, Cooling system and Alarm. XP66 can also be connected to the %RH probe (to operate the Cooling system) 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
- Heating system working time

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

Heating

- Temperature set
- Temperature differential
- ON
- OFF
- Heating temperature set

Cooling

- Temperature set
- Temperature differential
- ON
- OFF
- Timing band
- ON conditioned by the maximum humidity block if present (if present humidity probe)
- Cooling temperature set

Temperature alarm (same for humidity / pressure)

- ON
- OFF
- 0.2°C
- Minimum temperature alarm set

- ON
- OFF
- 0.2°C
- Maximum temperature alarm set

Ambient temperature
Inputs and outputs

Inputs:
- Temperature probe
- Humidity probe
- Pressure probe
- Potentiometer

Outputs:
- Ventilation (relay 1-2-3-4-5)
- Ventilation (0-10V output)
- HDY6 outputs (optional slot)
- Heating
- Flap
- Cooling
- Watch-dog
- Alarm

Other available connections:
- USB plug
  XP66 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 XP66 processor (see remote supervision).
Sample screenshots

- Viewing operating condition
- Ventilation temperature setting
- On time air exchange setting
- Heating temperature setting
- Archives to display
- Cycle temperature chart
- Total cycle archive
The communication with the outside world is performed by USB key.

- **Export archives**
  XP66 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 **XP66 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 XP66 anytime by a user friendly procedure.
Remote supervision of XP66 processors grants the full management of system by PC.

The XP66 Net Pro supervision software enables the full remote control of network connected processors. ULAN peripheral is connected to PC through a USB connection. HP66 – ULAN connection is done by a simple 3 wires cable. In all cases where ULAN cannot be cabled to XP66 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 XP66)
- TR04: Radio-modem 485 (optional, to be used only when it is not possible to use the cable)
# Available options

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>XP66</td>
<td>Ventilation control (DIN96 panel mounting)</td>
</tr>
<tr>
<td>SX</td>
<td>Temperature probe</td>
</tr>
<tr>
<td>WT1</td>
<td>Psycrometric kit to control the ambient %RH</td>
</tr>
<tr>
<td></td>
<td>Includes the SX temperature sensor (so no need to order an extra SX when the WT1 kit is installed)</td>
</tr>
<tr>
<td>W01</td>
<td>IP54 box for wall mounting + gasket + transparent cover</td>
</tr>
<tr>
<td>USBP</td>
<td>USB IP65 external plug (to be mounted externally, for access to the USB without the need to access the back of the XP66)</td>
</tr>
<tr>
<td>HDY6</td>
<td>Relays extension slot</td>
</tr>
<tr>
<td>RHR</td>
<td>0...100% humidity probe</td>
</tr>
<tr>
<td>HA20s</td>
<td>Power pack for RHR humidity probe</td>
</tr>
<tr>
<td>DP59/W</td>
<td>Air pressure transmitter</td>
</tr>
<tr>
<td>PT</td>
<td>Flap feedback potentiometer</td>
</tr>
<tr>
<td>HMZD1</td>
<td>Ventilation 0-10V manual control module (DIN96 panel mounting)</td>
</tr>
<tr>
<td>HP29</td>
<td>Independent alarm temperature/pressure/watch dog</td>
</tr>
<tr>
<td>XNET</td>
<td>Network nodal point</td>
</tr>
<tr>
<td>ULAN</td>
<td>Network server Pc (with USB connection)</td>
</tr>
<tr>
<td>TR04</td>
<td>Radio-modem 485 (IP55 junction box with power supply 230/12v)</td>
</tr>
</tbody>
</table>
Available options

XP66

DPS9/W

HMZD1

HP29

SX

WT1

RHR

PT

HDY6

HA20s

ULAN

XNET

USBP

TR04