

MONITORING AND CONTROL SOFTWARE

SWB-IP

cod. 6700-300010

MEGA-IP system basic functions management software.

Power and ease of use are the main characteristics of this software with a clean and intuitive graphic interface which, with a few clicks, allows you to reach every section dedicated to monitoring the system's fundamental features: bookings, access control, temperature control, room status, staff management, technological functions, etc. Particular attention has been paid to the security section (such as the signalling of alarms and anomalies, self-diagnostics, consultation and printing of historical archive, etc.), with automatic backup option for all parameters and system recovery in the event of computer damage. Designed for small and large installations, it can handle additional monitoring workstations and interface modules with front-office systems, air conditioning systems, fire detection systems, etc.

MEGA-IP ROOM MANAGEMENT SOFTWARE

SWG-IP

SWG-IP25 cod. 6700-181025
Room management software from 1 to 25 rooms

SWG-IP50 cod. 6700-181050
Room management software from 26 to 50 rooms

SWG-IP75 cod. 6700-181075
Room management software from 51 to 75 rooms

SWG-IP100 cod. 6700-181100
Room management software from 76 to 100 rooms

SWG-IP150 cod. 6700-181150
Room management software from 101 to 150 rooms

SWG-IP200 cod. 6700-181200
Room management software from 151 to 200 rooms

SWG-IP250 cod. 6700-181250
Room management software from 201 to 250 rooms

SWG-IP500 cod. 6700-181500
Room management software from 251 to 500 rooms

SWG-IP1000 cod. 6700-181999
Room management software from 501 to 1000 rooms

TECHNOLOGICAL CONTROL UNIT SOFTWARE

SWGT-IP

SWGT-IP5 cod. 6700-183005

Technological control unit management software from 1 to 5 UGT-IP units.

SWGT-IP10 cod. 6700-183010

Technological control unit management software from 6 to 10 UGT-IP units.

SWGT-IP15 cod. 6700-183015

Technological control unit management software from 11 to 15 UGT-IP units.

SWGT-IP20 cod. 6700-183020

Technological control unit management software from 16 to 20 UGT-IP units.

SWGT-IP25 cod. 6700-183025

Technological control unit management software from 21 to 25 UGT-IP units.

SWGT-IP35 cod. 6700-183035

Technological control unit management software from 26 to 35 UGT-IP units.

SWGT-IP50 cod. 6700-183050

Technological control unit management software from 36 to 50 UGT-IP units.

SWGT-IP75 cod. 6700-183075

Technological control unit management software from 51 to 75 UGT-IP units.

SWGT-IP100 cod. 6700-183100

Technological control unit management software from 76 to 100 UGT-IP units.

EXPANSION UNITS SOFTWARE

SWGE-IP

SWGE-IP25 cod. 6700-190025

Expansion unit management software from 1 to 25 units.

SWGE-IP50 cod. 6700-190050

Expansion unit management software from 26 to 50 units.

SWGE-IP75 cod. 6700-190075

Expansion unit management software from 51 to 75 units.

SWGE-IP100 cod. 6700-190100

Expansion unit management software from 76 to 100 units.

SWGE-IP150 cod. 6700-190150

Expansion unit management software from 101 to 150 units.

SWGE-IP200 cod. 6700-190200

Expansion unit management software from 151 to 200 units.

SWGE-IP250 cod. 6700-190250

Expansion unit management software from 201 to 250 units.

SWGE-IP500 cod. 6700-190500

Expansion unit management software from 251 to 500 units.

SWGE-IP750 cod. 6700-190750

Expansion unit management software from 501 to 750 units.

SWGE-IP1000 cod. 6700-191000

Expansion unit management software from 751 to 1000 units.

SWGE-IP1500 cod. 6700-191500

Expansion unit management software from 1001 to 1500 units.

SWGE-IP2000 cod. 6700-192000

Expansion unit management software from 1501 to 2000 units.

SWGE-IP3000 cod. 6700-193000

Expansion unit management software from 2001 to 3000 units.

IMPORTANT NOTICE

UGC-IP and UGT-IP control units are mounted in DIN bar and they take 5 modules. They must be powered at 12Vac with a switching power supply, to size based on the number of panels and extension units connected. An independent power supply must be used for each control unit, located near them, and connected to a dedicated electrical line with on-line double-conversion UPS.

Always disconnect power supply before making electrical connections.

In order to get a correct temperature measurement, temperature panel PTF-T must be installed at about 1.5 m from the floor, in a place protected from sunlight and away from air draughts or heat sources (such as doors, windows, perimeter walls, etc.).

Similarly, temperature sensors STI must be installed in dedicated boxes, at about 1.5 m from the floor, in a place protected from sunlight and away from air draughts or heat sources (such as doors, windows, perimeter walls, etc.). Do not install them above the thermostat panel, since it generates heat.

Connection cables of the input devices (such as temperature sensors, magnetic contacts, buttons, etc.) must not exceed 20 m in length.

Fan-coil and towel warmer valves can only be of ON/OFF type (electrothermal or motorised open/close valves). It is recommended to use valve controls at 220Vac voltage. The electrothermal model must be of NC type, i.e. with control mounted on the valve and not powered, the water flow must be blocked.

The room telerruptor must be at 220VAc. An additional transformer must be installed for components with different voltage.

We recommend to crimp RJ12 connectors with a good quality metal claw and to verify through the specific cable tester. The total cable length must not exceed 25m, summing up the lengths of the single parts connecting the control unit and the various panels and expansion units to the same RJ12 socket. In case of strong inductive loads or led lights, use auxiliary relays to control them. Do not connect these loads directly to ITC units relays.

In the other cases, we recommend installing a 1.6A delayed fuse between relay output contact and load to protect the board in case of actuator failure.

Auxiliary relays must be used to close electrical shutters, possibly in combination with suitably dimensioned protection fuses. The shutter motor must not be connected directly to the relay of the control units or expansion units.

We recommend keeping signal lines (data bus, inputs, etc.) separate from power lines.

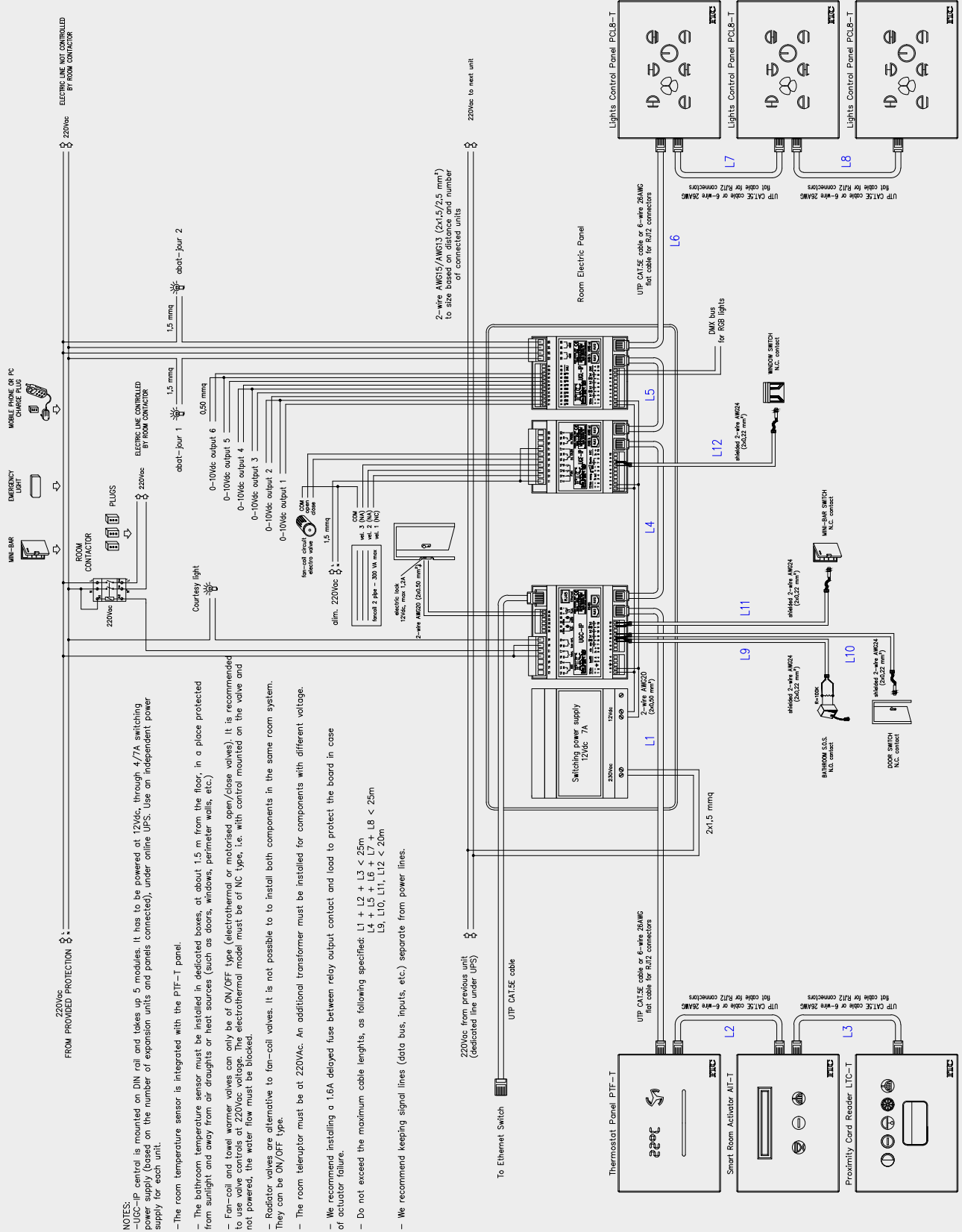
The minimum requirements of the PC used to control the installation are as follows:

- Intel Core i5 CPU
- 250/500GB hard disk
- 4 GB Ram
- TFT colour monitor with minimum resolution 1366x768 points (recommended 1600x1900 points)
- 2 USB ports, dedicated to MEGA-IP system
- 1 or 2 Fast Ethernet 10/100 Mbps network board, based on the activated functions
- Mouse and keyboard
- Audio board and speakers
- Operating system: Windows 7 professional or Windows 10 Pro.

If the PTF-T panel is not installed, alarms and services local reset will not be possible and they will have to be reset from the PC. If units and servers will be connected by Ethernet, it is necessary to arrange a separated network or a dedicated VLAN to the domotics. If there is a VLAN on many switches, it is necessary to arrange a dedicated VLAN Ethernet cable for the connection among them. The switches have to be of the typology: managed. If present, PoE mode on units ports will have to be disabled. Recommended switches: ZyXEL GS series, HP 1820 series.

For the correct functioning of the system, the computer needs to be always turned on and it needs to be dedicated only to MEGA-IP system management.

MEGA-IP WIRING DIAGRAM



FROM PROVIDED PROTECTION 220Vdc

220Vdc from previous UPS (dedicated line under UPS)

220Vdc to next unit

MINI-BAR

EMERGENCY LIGHT

MIDDLE FRAME OF PC CHASSIS PLUS

ELECTRIC LINE NOT CONTROLLED BY ROOM CONTACTOR

ELECTRIC LINE CONTROLLED BY ROOM CONTACTOR

220Vdc

1.5 mmq

about-pair 1

about-pair 2

0-10Vdc output 6

0-10Vdc output 5

0-10Vdc output 4

0-10Vdc output 3

0-10Vdc output 2

0-10Vdc output 1

2-wire AW15/AW13 (2x1.5/2.5 mm²) to size based on distance and number of connected units

Room Electric Panel

Lights Control Panel PCLB-I

Lights Control Panel PCLB-I

Lights Control Panel PCLB-I

Thermostat Panel PTF-I

Smart Room Actuator AIR-I

Proximity Card Reader LIC-I

UPP CAT5E cable or 6-wire 28AWG flat cable for RJ45 connectors

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DMX bus for RGB lights

shilded 2-wire AW24 (2x0.2 mm²)

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shilded 2-wire AW24 (2x0.2 mm²)

WINDOW SWITCH N.C. contact

MINI-BAR SWITCH N.C. contact

WINDOW SWITCH N.C. contact

DOOR SWITCH N.C. contact

24Vdc 1.5 mmq

2-wire AW20 (2x0.50 mm²)

Shifting power supply 12Vdc 7A

12Vdc max 1.2A

2-wire AW20 (2x0.50 mm²)

1.5 mmq

0-10Vdc output 6

0-10Vdc output 5

0-10Vdc output 4

0-10Vdc output 3

0-10Vdc output 2

0-10Vdc output 1

Room Contactor

FLUOS

Courtesy light

1.5 mmq

1.5 mmq

1.5 mmq

1.5 mmq

1.5 mmq

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- The room temperature sensor is integrated with the PTF-I panel.
- The bathroom temperature sensor must be installed in dedicated boxes, at about 1.5 m from the floor, in a place protected from sunlight and away from air draughts or heat sources (such as doors, windows, perimeter walls, etc.)
- Fan-coil and towel warmer valves can only be of ON/OFF type (electrothermal or motorised open/close valves). It is recommended to use valve controls at 220Vdc voltage. The electrothermal model must be of NC type, i.e. with control mounted on the valve and not powered, the water flow must be blocked.
- Radiator valves are alternative to fan-coil valves. It is not possible to install both components in the same room system. They can be ON/OFF type.
- The room telerruptor must be at 220Vdc. An additional transformer must be installed for components with different voltage.
- We recommend installing a 1.6A delayed fuse between relay output contact and load to protect the board in case of actuator failure.
- Do not exceed the maximum cable lengths, as following specified: L1 + L2 + L3 < 25m; L4 + L5 + L6 + L7 + L8 < 25m; L9, L10, L11, L12 < 20m
- We recommend keeping signal lines (data bus, inputs, etc.) separate from power lines.