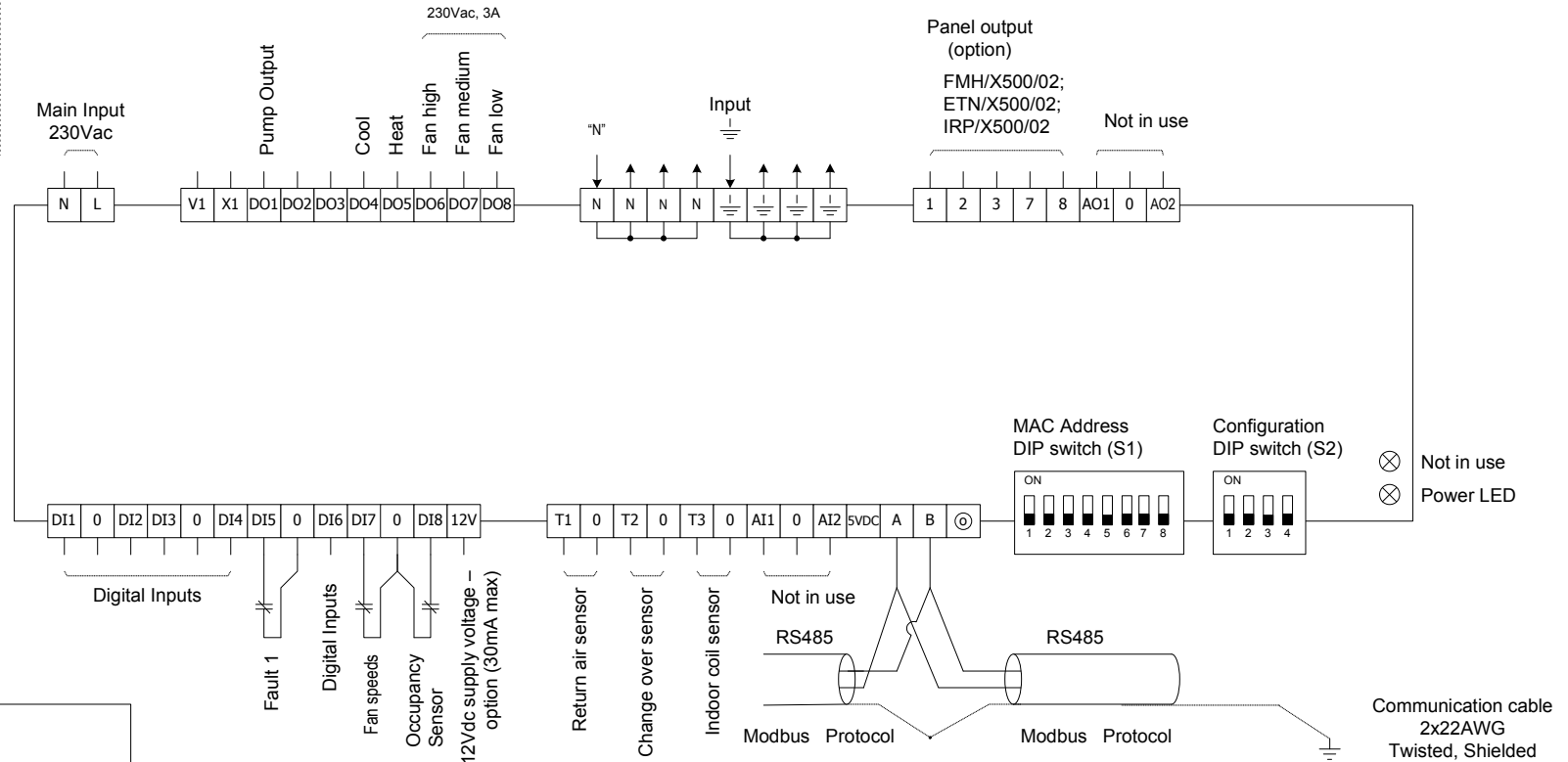


Important !

Disconnect power to the main board before making any changes to DIP switches/ Jumpers, wiring the unit and/or connecting the wall panel.

**Digital Inputs**

- DI1,0 DI2,0 DI3,0 DI4,0 DI6,0** – Digital Inputs
Normally open (N.O.) Active when close.
Only for indication through communication.
- DI5,0** - Fault 1 input (N.C.)
When open – all outputs OFF (no delay)
- DI7,0** - Fan speeds
Open – 3 Speeds, Close – 1 Speed
- DI8,0** - Occupancy Sensor
One of 3 modes (set by communication):
1 Auto: When the DI8 input (N.C) is open for 10 minutes, all outputs turn Off.(Default)
2 Start/Stop
3 Occupied/Non occupied (Economy mode)

DIP switch Configuration (S2)

- S2.1** – Fan ON / Auto fan configuration in cool/heat
- | | | |
|-----|---|-------------------------|
| ON | - | Auto fan in Cool |
| OFF | - | Fan ON (always) in Cool |
- S2.2** – 2-pipe / 4-pipe system
- | | | |
|-----|---|--------|
| ON | - | 4-pipe |
| OFF | - | 2-pipe |
- S2.3** –
- | | | |
|-----|---|-------------------------|
| ON | - | Auto fan in Heat |
| OFF | - | Fan ON (always) in Heat |
- S2.4** – “End of network” configuration
- | | | |
|-----|---|--------------------|
| ON | - | End of network |
| OFF | - | Not end of network |

**Temperature Sensors Logic**

- T1,0 - Return air sensor**
The ambient (room) temperature can be sensed via the return air sensor.
- T2,0 - Change-over sensor**
Mode is automatically selected, based on the water temperature sensed by T2 (2-pipe system only) T2 > 30°C → Heat , T2 < 20°C → Cool
- T3,0 - Indoor coil sensor**
Soft-start in Heat
When T3 rises above (or equals) 36°C → The indoor fan will start working (according to FAN ON or AUTO FAN state)
When the temperature drops below 32°C → The indoor fan will turn OFF.
- *When T3 is not connected:
- If AUTO FAN is selected, the indoor fan will start working 30 seconds after demand for heat.
- If FAN ON is selected, the indoor fan will work continuously.

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Title:

CTU4500-3S-FC-SUPERDate: **13.10.2010**

2

New S/W

14.11.10

Print name: PS-2600-ASU

Drawn: M.Ruchansky

Software name: 10406202

Checked: O.Volovitch

Check sum : 7086

Approved: A.Samocho

1

Original (with BT)

13.10.10

File: CTU4500-3S-FC-SUPER.vsd