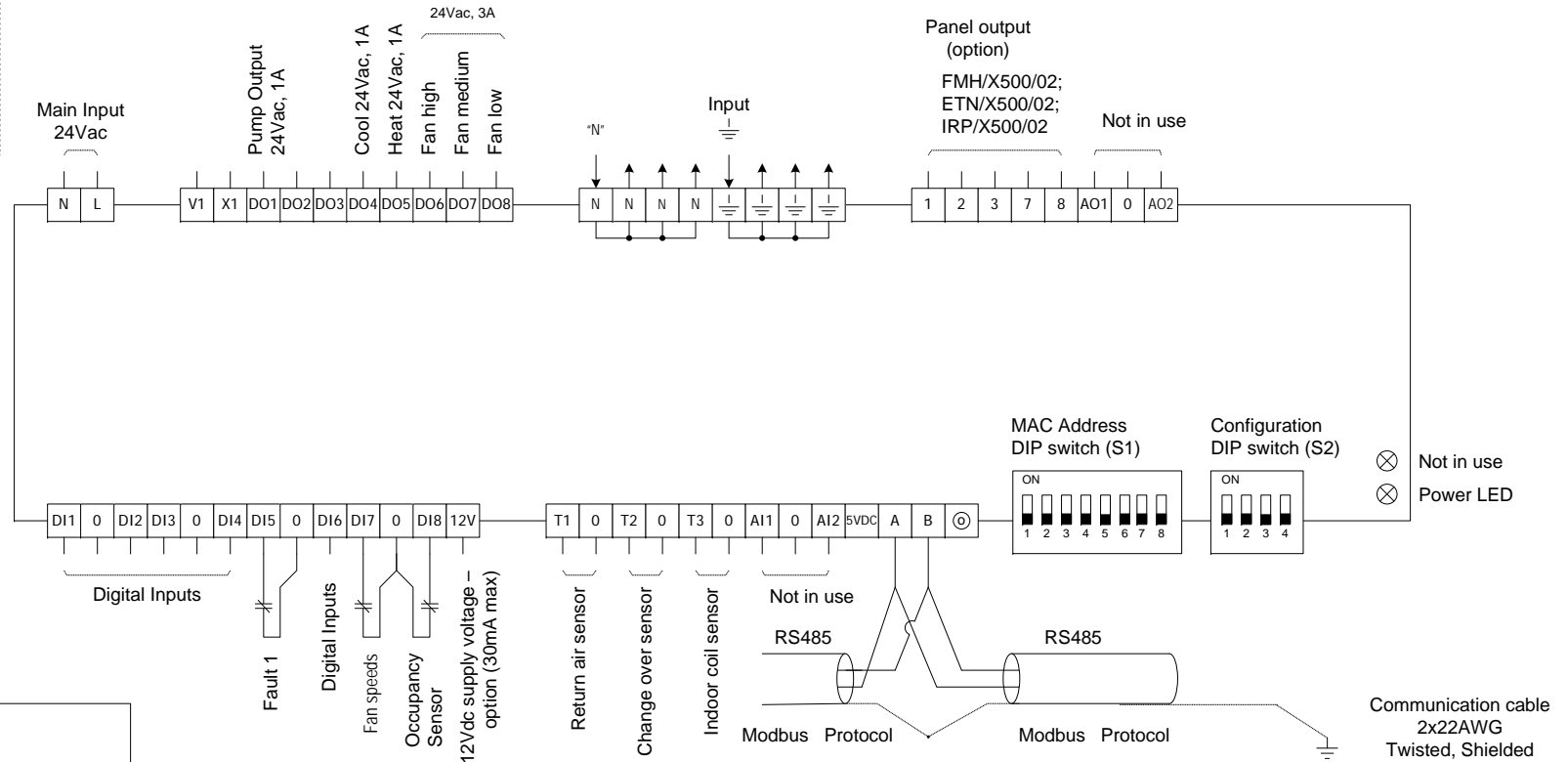


**Important !**  
 Disconnect power to the main board before making any changes to DIP switches/ Jumpers, wiring the unit and/or connecting the wall panel.



**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 / 86°F → Heat , T2 < 20°C / 68°F → Cool
- T3,0 - Indoor coil sensor**  
**Soft-start in Heat**  
 When T3 rises above (or equals) 36°C/97°F → The indoor fan will start working (according to FAN ON or AUTO FAN state)  
 When the temperature drops below 32°C/90°F → 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:  
**CTU4524-3S-FC-SUPER**

Date: 13.10.2010

2	New S/W
1	Original (with BT)

Print name: PS-2600-ASU	Drawn: M.Ruchansky
Software name: 10406202	Checked: O.Volovitch
Check sum : 7086	Approved: A.Samocho
File: CTU4524-3S-FC-SUPER.vsd	