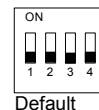


### Digital Inputs

- DI5,0 - Fault 1** input (N.C.)  
When open – all outputs OFF (no delay)
- DI6,0 - FAN** – Short – Fan Only mode available (Selectable through controller)  
Open – Fan Only mode not available
- DI7,0 - Fault 2** input (N.C.)  
Only for indication through the protocol
- DI8,0 - Occupancy Sensor**  
When the DI8 input (N.C.) is open for 10 minutes, all outputs turn Off.

### 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:  
**CTU2500-P-3S-FC-SUPER**

Date: **23/10/2008**

1

Original

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