

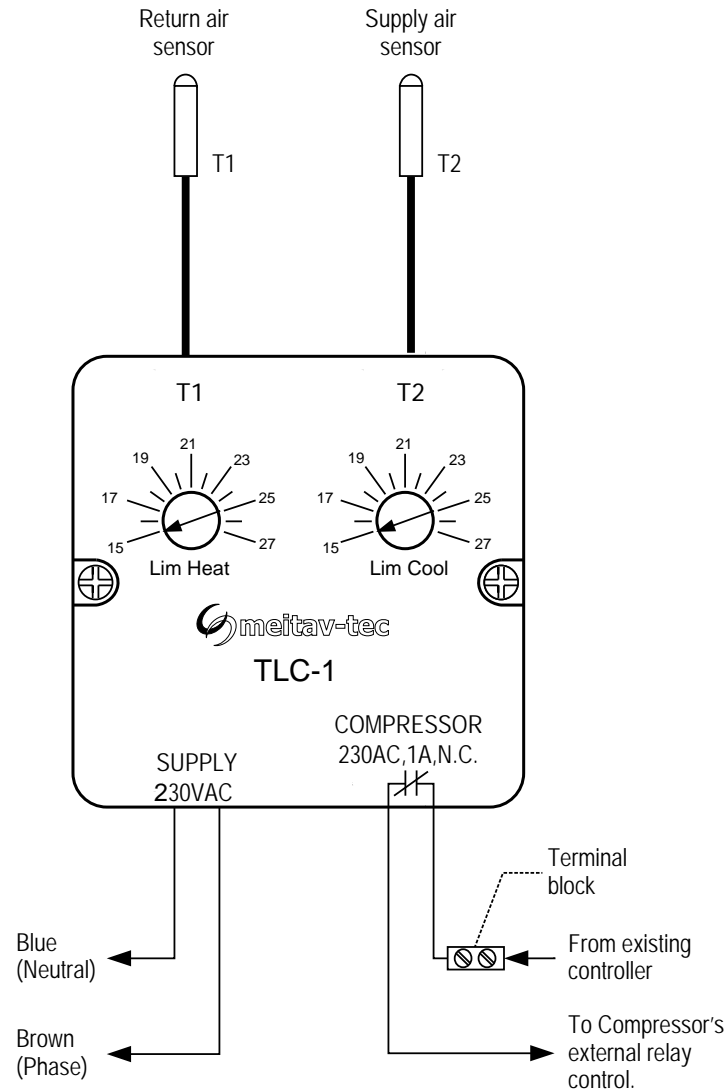
## Installation and Operating instructions

1. The Temperature Limit Controller (TLC-1) is to be installed inside your supplied air section of the HVAC system (e.g. evaporator). The back of the sensor must be attached to a surface.
2. Disconnect power to your HVAC system prior to TLC-1 installation and wiring.
3. Returned air sensor is to be located at or around air inlet section of the HVAC system (Fastening the sensor in place is recommended).
4. Supply air sensor is to be located at or around the point where the HVAC system discharges the air to the room (Fastening the sensor in place is recommended).

**Important! To eliminate the risk of electrical shock, install both sensors out of reach of the occupants.**

5. The N.C. Compressor contact is to be connected in series with the Compressor Output on existing controller (Y) and Compressor's external relay control.
6. The Brown and Blue feed wires are to be connected to a local 230VAC supply.
7. Use the Limit Cool knob to limit the room temperature in Cool. The energy to compressor's external relay controls will be cut off if T1 senses temperatures lower than your knob adjustment.
8. Use the Limit Heat knob to limit the room temperature in Heat. The energy to compressor's external relay controls will be cut off if T1 senses temperatures higher than your knob adjustment.
9. The TLC-1 can delay the compressor cut in time by 3 min. To apply this delay, remove units top cover and short jumper 3 (JP 3) – See jumpers configuration.
10. Reconnect power to your HVAC system.

## Wiring diagram



## Jumpers configuration

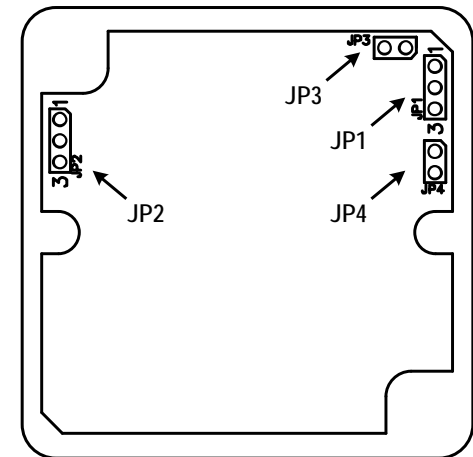
**Important - Turn off supply before opening the unit and changing jumper position !**

### JP3 – Compressor delay

- Jumper open (on 1 pin) - No delay (default).
- Jumper short (on 2 pins) - 3 Minutes delay.

**JP1, JP2 and JP4 are for factory use only and should not be touched !**

- Jumper 1 position – short pins 1 and 2. Pin 3 free.
- Jumper 2 position – short pins 1 and 2. Pin 3 free.
- Jumper 4 position – Open.



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**TLC 1**  
**Temperature Limits Controller**

Date: 30.01.11

1	JP3 Default – No compressor delay. Safety warnings	03.07.11
1	Original	30.01.11

Print name: TLC1

Software name: TLC1\_10116601

Check sum : B0EAC

File name: TLC-1(en).VSD

Drawn: A.Star / P.Rechtman

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