PT1000 TEMPERATURE MEASUREMENT

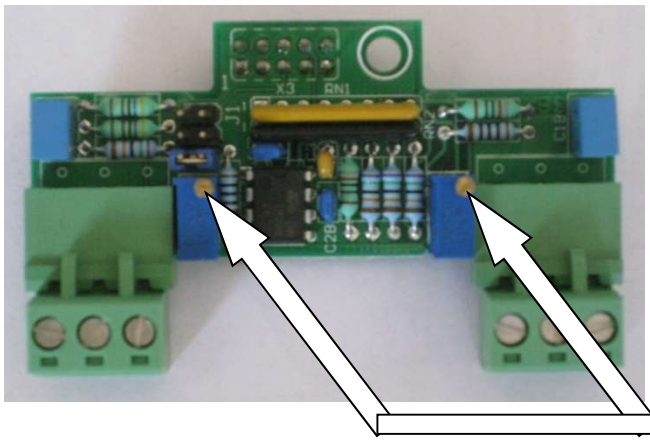
Requirement

- The following ***FrigoSoft*** versions require the measurement of temperature:

***FS* 2.X** (Standard Refrigeration):	Ambient temperature**+**
***FS* 3.6.X** (Chiller):	HtM, outlet temperature*****, Ambient temperature**+**
***FS* 6.6.X** (A/C / Heat pump with reverse operation):	HtM Temperature*****
***FS* 7.6.X** (Chiller / Heat pump):	HtM Temperature*****
***FS* 8.6.X** (A/C / Heat pump with revere operation):	HtM Temperature*****
***FS* 9.6.X** (Heat pump):	HtM Temperature*****
Key:	**+**: optional, *****: essential HtM: Heat transfer Medium

- One of the following option modules is necessary to process the temperature dependent PT1000 sensors (option to be ordered separately):
  - A MM/iS-MAM-1xPT1000: One temperature
  - A MM/iS-MAM-2xPT1000: Two temperatures

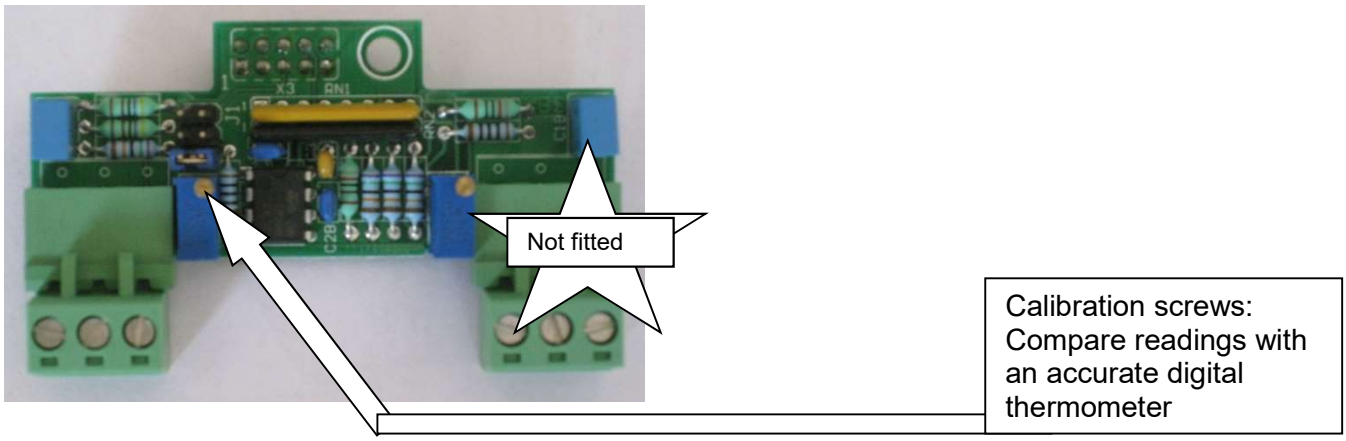
Accessory MM/iS-MAM-2xPT1000/14 (two channels)



Left channel,
- Typical use: ***FS*2.6**: Ambient temperature
  ***FS*3.6**: HtM water outlet temperature
- Calibration: Calibrate by adjusting the left-hand blue potentiometer with a small screw driver

Right channel,
- Typical use: ***FS*3.6**: HtM water inlet temperature
- Calibration: Calibrate by adjusting the left-hand blue potentiometer with a small screw driver

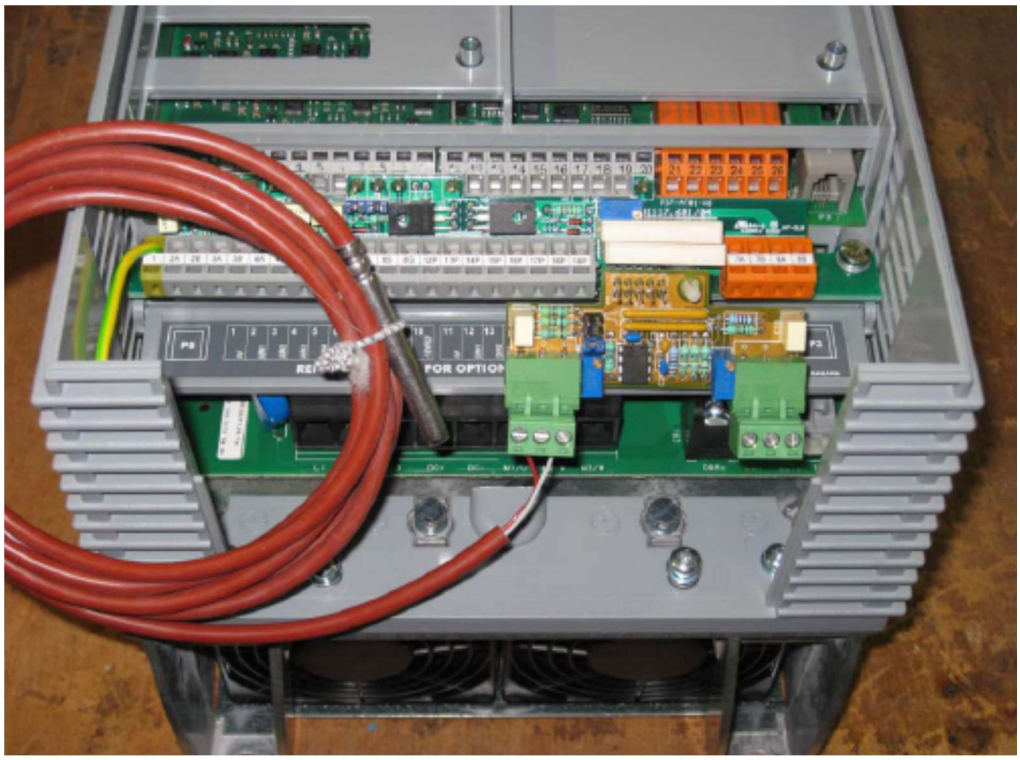
Accessory MM/iS-MAM-1xPT1000/14 (one channel)



Left channel,
- Typical use: FS2.6: Ambient temperature
  FS3.6: HtM water outlet temperature
- Calibration: Calibrate by adjusting the left-hand blue potentiometer with a small screw driver

Connecting the PT1000 temperature sensors

- The electrical connections are shown in the following photograph:



- Please take note of the connections to each connector, one for each temperature:
  - Left: PT1000, red preferred
  - Middle: PT1000, white preferred
  - Right: Measurement point for special applications