



INSTRUCTIONS 1054 e

Section	
Effective	June 2014
Remplace	January 2014

Translation of the
original instructions

PT100 ATEX ***temperature probe***



These MOUVEX Instructions provide assistance for installation but there are not, in any circumstances, intended to replace the specific Instructions of the relevant equipment suppliers. Those Instructions must be read before fitting the equipment.



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THE EQUIPMENT SUPPLIED

1. PROFSI2-APT-AWP-2A digital thermostat 2 thresholds



2. COFFREX-BCL-05-5W junction box



3. SONDEX-1GD-I-A3-COSH- (200°C) sensor or SONDEX-1GD-I-A3-TUBL- (250°C) sensor



SUPPLIED EQUIPMENT CHARACTERISTICS

Supplied thermostat is pre-set at 120°C. It can be set to another temperature with software supplied on CD-ROM.

The sensor is supplied with a 3 m. cable.

System accuracy : ± 5°C

Components reliability :

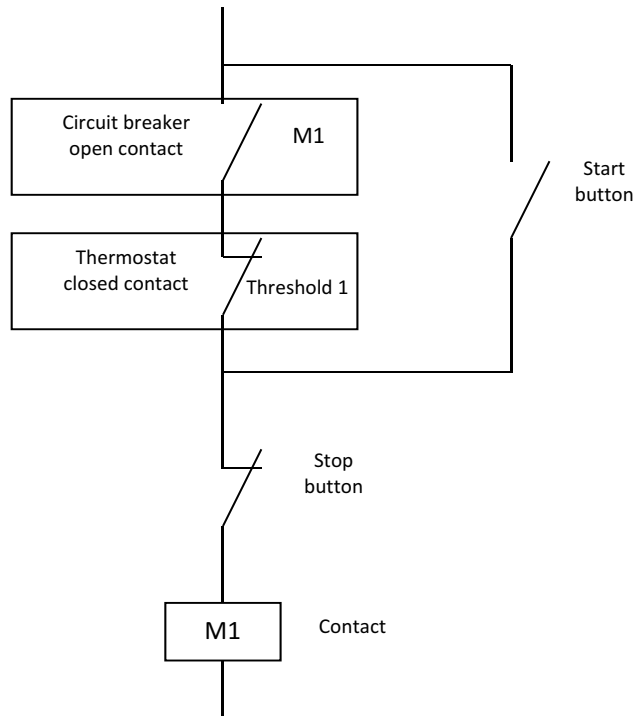
- PT100 0 - 200°C sensor.....MTBF : 90 years
- PT100 0 - 250°C sensor.....MTBF : 90 years
- Thermostat.....MTBF : 199 years

Cable (not supplied) between junction box and thermostat must have following characteristics :

- **Zone II B :**
 - 3 conductors 0,75 mm²
 - Max capacity 16,20 µF
 - Max Inductance 1,28 H
- **Zone II C :**
 - 3 conductors 0,75 mm²
 - Max capacity 2,41 µF
 - Max Inductance 0,32 H

User must make sure that complete system loop (including temperature sensor and installation stopping system) shows a reliability level complying with SIL1 (EN 61508 series...).

EXEMPLE OF INTEGRATION OF THE THERMOSTAT IN THE CONTROL CIRCUIT OF PUMP MOTOR CIRCUIT BREAKER



TEMPERATURE SENSOR WIRING

