

FROST PROTECTION OF PIPES

READ CAREFULLY !!!

- Do never step on the cable and handle with care during all the installation.
- The cable should not be submitted to any weight higher than 25 kg and should never be cut.
- The cable tightening should be done carefully to avoid any damage to the cable.
- The cable curvature should never be lower than 6 times its diameter.
- Cable resistance and insulation should be measured before and after the installation.
- Cover the entire cable with aluminium adhesive tape.

1. The heating cable must be rolled around the pipe, with a repeating distance depending on the power to be installed.
2. The whole length of the cable must be covered with the aluminium self-adhesive tape (to prevent the cable and the insulation to get in contact), to avoid overheating.
3. The cold end connexion to the heating cable must also be covered with the aluminium tape.

REGULATING SYSTEM

The suitable thermostat is a RUN/STOP thermostat with an adjustable temperature.



THERMOSTAT TM 10AM

The pipe sensor detects the temperature variation at the pipe.

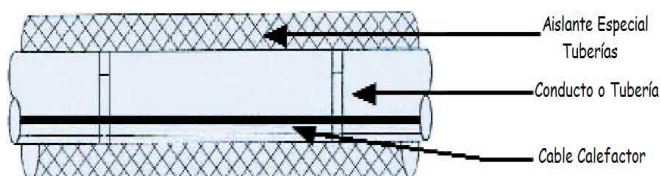


PIPE SENSOR

When the sensor detects a temperature lower than the thermostat setup temperature with the pre-established margin (half differential), the heating cable is switched on (red light ON).

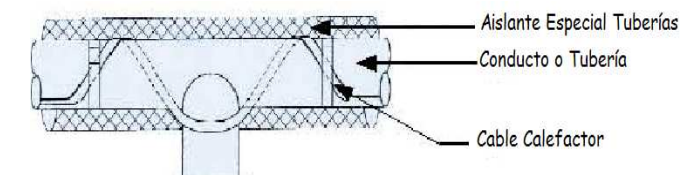
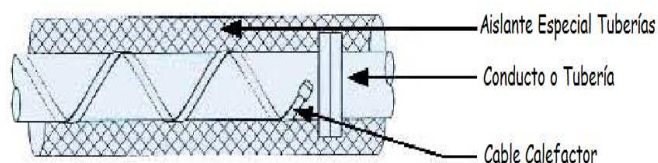
When the sensor temperature gets higher than the thermostat setup temperature + pre-established margin, the system is turned off (red light turned off).

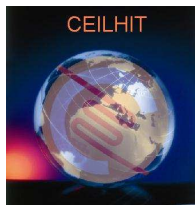
STRAIGHT INSTALLATION



One or two heating cable may be installed on the same pipe

HELICOIDAL INSTALATION AND T-SHAPE PIPES





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TM 10 CHARACTERISTICS	
Detection	Temperature
Protection class	IP20
Operating voltage	230V AC $\pm 10\%$
Fuse Max.	10 A
Variation	$\pm 10\%$
Power	3 VA
Operating temperature	-10 a 50°C
Output relay	10 A
Temperature margin	0,3 a 6°C
Dimensions	86x36x58mm

SENSOR CHARACTERISTICS	
Dimensions	86x12mm

MOUNTING

Thermostat:

To be mounted within a suitable box, with an adequate protection.

Pipe sensor:

Must be installed on the outer part of the pipe, in close contact with it.

