

# Frost Safe

## Frost protection for Metal and Plastic Pipes.

UK

### Installation and Operating Instructions

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The **HEATCOM Frost Safe** Cable with built-in thermostat is Pre-assembled and ready for use.

#### CAUTION!

- Do NOT shorten the heating cable. Too high a wattage per meter will damage the cable.
- The heating Cable must not be crossed or touch itself. This will cause overheating.
- Do Not install the Cable in areas that will exceed 65 °C.
- Keep a safety distance to any combustible materials at min 15 mm.
- Ensure that insulation is flame retardant type and never use more than 13 mm insulation.
- Never plug it in while coiled.
- Cables temperature must be min. -10 °C during installation.
- The Frost Safe Cable must be protected from i.e. chewing by animals, snow shoveling etc.
- Do not install into any liquid.
- Use a cable that fits the length of the pipe.
- The supply cord cannot be replaced. If the cord is damaged the appliance should be scrapped.
- Always connect to an earthed socket-outlet and a RCD max. 30 mA.
- Any attempt to alter the HEATCOM Frost Safe Cable will void the warranty.

#### Preparations

A/. Select the **HEATCOM Frost Safe** Cable at the closest length of the pipe. Choose a cable that fits the pipe length. If the cable is longer, twist the cable evenly onto the pipe.

B/. Make sure that the pipe is free of combustible materials and has no sharp edges.

C/. If installed on a plastic pipe add an aluminum foil on the pipe for better heat distribution.

#### Installation

1/. Place the thermostat.

The thermostat should be mounted on the coldest spot of the pipe. Mount it tightly with the fixing strip (1).

2/. Attach the heating cable to the bottom side of the pipe (2) with PVC electrical tape (approx. 0,5 m intervals).

3/. Put the insulation on the pipe and heating cable. The thermostat must be placed inside the insulation (3).

4/. Plug in the power cord.

#### Thermostat Functionality

##### POWER ON:

When the temperature drops beneath approximately 3 °C

The thermostat turns on the heating cable.

##### POWER OFF:

When the temperature rises above approximately 10 °C the thermostat turns the power off and the heat will not be activated until the temperature gets beneath approx. 3 °C again.

1



**The thermostat** is placed in the thickest plastic-part. Place the thermostat on the coldest end of the pipe. The heating cable and the thermostat must be covered by the insulation. If the product is used on a plastic pipe, always use aluminium tape over the heating cable and thermostat onto the pipe. This will move more heat from the cable to the pipe and ensure the frost protection.

2



3



**Note:** Always ensure the earth-connection is present in the socket outlet and connected to the heating cable. Also ensure the installation is connected to an RCD max. 30mA. If the plug and socket outlet is not matching, change the plug or use an adaptor, to ensure the product is fully earthed.