

# FrostSafe Plus and PipeGuard Plus

## Frost protection with thermostat for steel or plastic pipes

UK

Installation and user guide

02000069 UK1.1

HEATCOM **FrostSafe Plus and PipeGuard Plus are selflimiting heatingcable** with build-in thermostat ready for use.

Read following instructions carefully for a safe and effective installation.

### WARNING !

- Protect the product against temperatures above 65 °C.
- Keep min, 15 mm distance to flammable materials i.e. wood.
- Use only use flame-retardant insulations to cover the product.
- Never electrically connect the product when rolled up.
- Cable Temperature must be min. 5 °C during installation.
- Protect the product against damage. I.e. animal bite, snow clearing will pose a risk to the product if not protected.
- Never install the product in liquids.
- Use a cable that fits the length of the pipe best.
- Cold-tail is not exchangeable. Is any part of the product damaged, the product must not be used.
- The product must always to an earthed RCD relay max. 30mA.

**If the product is changed, or used differently than intended, the warrant will be invalid.**

### Preparing the installation

- A) Choose the cable length that fits the pipe length the best. If the cable is slightly longer than the pipe, then distribute the cable evenly along the full length of the pipe.
- B) The product is not come in contact with any flammable material i.e. wood. Protect the product against damage from i.e. sharp edges.
- C) If the product will be installed on a plastic pipe, ensure the heat from the cable can be distributed onto the pipe. Cover the cable, thermostat and pipe with an aluminium tape in the full length of the heating cable. Place the thermostat in such a way, that it can detect the heat from the cable and pipe. Put on the tape before the insulation. The thermostat is the thick part placed in the cold tail approx. 10 cm from the heating cable.
- D) Insulation must be min. 20 mm in thickness. Insulation must cover both heating cable and thermostat.

### Installation

- 1) Place the cable and thermostat on the underside of the pipe. Make sure the thermostat can detect the heat otherwise, it will not be able to control the temperature. The thermostat will turn on/off at 3/13 degrees C (+/- 2.5).  
If the installation is not uniform, place the thermostat on the coldest part of the pipe.
- 2) Hold the cable in place with a suitable tape or cable ties (ties is not to be tightened hard).  
On plastic pipes, cover the cable/thermostat and pipe with aluminium tape.
- 3) Put on the insulation. Cover cable, thermostat and pipe.
- 4) Mark the installation, with the Warning stickers placed visually.
- 5) Make sure RCD and earth connection is present, and then plug in the product.

### Function

The selfregulating heating cable can alter the power, according the the ambient cable temperature. The thermostat will therfor work as a protection agains overheating, and also keep energycumsumption as low as possible.

#### POWER ON:

At thermostat temperatures under +3 °C (+/- 2,5 degrees C).

#### POWER OFF:

At thermostat temperatures over +13 °C (+/- 2,5 degrees C).

