

Model	Description
Y111	Frost protection thermostat with automatic reset
Y111RM	Frost protection thermostat with manual reset

APPLICATION AND USE

The range of Y111/Y111RM freeze thermostats covers both battery and water pipe freeze protection. Both Y111 and Y111RM have a capillary that will sense the lowest temperature on the face of the battery or the surface of a pipe. They are available in both automatic (Y111) and manual reset (Y111RM) versions.

TECHNICAL CHARACTERISTICS

Factory Temperature Setting

Y111 Cut-out +2°C
Cut-in +3.5K ±1.2K

Temperature differential

Y111 3K at factory default temperature setting
Y111RM none, manual reset

Contact Single Pole Double Throw (SPST)

Contact rating 16A resistive, 16A inductive - 250 Vac

Range -18T13 °C

Room temp. max 55°C (thermostatic head)

Bulb temp. max 200°C

N.B.: the sensing element (capillar bulb) working temp. must be always colder than the one of the thermostatic head.

Cable entry grommet Ø 6.35 mm hole

Protection degree IP43

Capillary Length 6000 mm

The product complies with EMC 89/336 directive according to the following standards: EN50081-1 emission / EN50082-1 immunity.

INSTALLATION

WARNING

ISOLATE ALL WIRING BEFORE REMOVING THE COVER AS MAINS VOLTAGES ARE PRESENT AT THE TERMINALS. Select a location representative of the battery or pipe to be protected by the thermostat.

Mount the body of the thermostat on a flat surface that is not subject to vibration. Ensure enough room is left to allow wiring and access to the manual reset, where applicable. The capillary must be secured to prevent excessive vibration.

Note: it is recommended to ensure that the sensing is always colder than the thermostatic head.

Duct: String the capillary across the face of the battery to be protected fixing it with ties as required. **Do not** kink the capillary, any bends must have a radius of at least 25 mm to avoid this.

Pipe: Wrap the capillary around the area of pipe to be protected. **Do not** kink the capillary, any bends must have a radius of at least 25 mm to avoid this.

Remove the cover to give access to the terminals. Connect the wiring to the terminals as required.

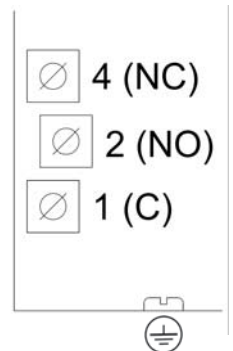


The Earth must be connected.

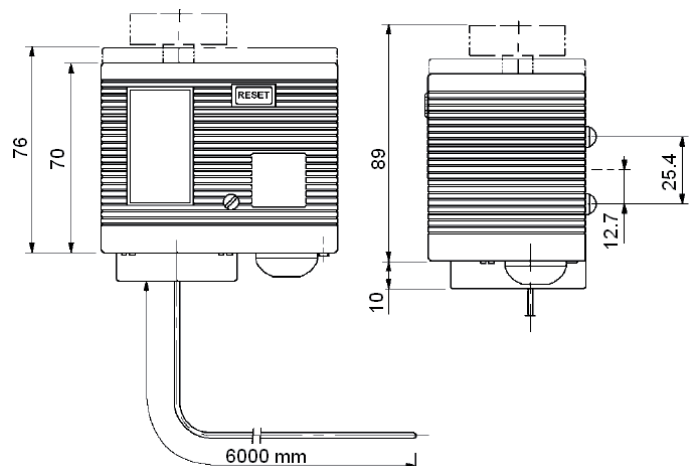
Replace the cover and tighten the fixing screws. Use the setting knob supplied to adjust the switching temperature, if the factory setting is incorrect for your application. If the thermostat is to be tamperproof, remove the knob and fit the toplate (supplied).

ELECTRIC CONNECTIONS

Contact opens in case of frost condition



OVERALL DIMENSIONS (mm)



The performances stated in this sheet can be modified without any prior notice due to design improvements