

# Applications of the temperature controller from Matsuo (X·X̄·Y·Ȳ)

## HVAC purposes

### For the prevention of freezing in the refrigerant device of air conditioners for business use (heat pumps)

The temperature powerful sensor (TPS) from Matsuo is used as a thermostat for the temperature control of freeze-prevention heaters, instead of a thermistor controller, for the exterior device (helium compressor unit) of air conditioners for business use (heat pumps).

The MQT8K 5X(bar)C is set in such a way that the heater will turn ON at 5°C on a temperature falls and turn OFF at 10°C on a temperature rises. The temperature powerful sensor from Matsuo, with its small differential and long life, is most suitable as a temperature controller.

