

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

Kitchen purposes

Temperature control of the defroster heater in ice makers for business use

A heating unit is provided as the defrosting unit in ice makers for business use. The temperature powerful sensor (TPS) from Matsuo is used, instead of a thermistor controller, as the thermostat for temperature control to maintain the temperature of the heating unit at a certain level. By simply placing the MQT11H 60XC in the heater plate and connecting it, the temperature can be maintained at a level within a range of 53°C~60°C and evaporates the moisture within the frost. As such, the temperature can be controlled quite simply.



Temperature control of portable refrigerator-freezers for recreational use

The temperature powerful sensor (TPS) from Matsuo is used for temperature control of portable refrigerator-freezers for recreational use. The MQT8K 3YA1.5 is used to control the fan which sends cool air from the freezer to the refrigerator. The setting is made in such a way that the fan starts spinning when the internal temperature falls to 3°C and stops when the temperature is cooled to 0°C. Such control is possible only by the temperature powerful sensor having a small differential and long life.

