

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

## Signboard / LED display purposes

### Temperature control of the LEDs of sign boards and indicator boards

The temperature powerful sensor (TPS) from Matsuo, the supplier of thermostats for temperature control, is used for the temperature control of LEDs on sign boards and indicator boards. The TPS is mounted directly on the LED substrate, and abnormal temperatures are detected by the thermostat.

The setting is made in such a way that the MQT8H 70XC will turn OFF the LED when the temperature reaches 70°C on a temperature rises. As such, the TPS can be used as a substitute for the thermistor controller.



### Temperature control / anti-freezing of LED type railroad crossing alarm lamps

The temperature powerful sensor (TPS) from Matsuo is used as a thermostat for temperature control for the heater control of the light emitting diode surface of railroad crossing alarm lamps. When the temperature dips below a certain level, the snow melting heater will be turned ON, and when the temperature rises to a certain level, the heater will be turned OFF.

As such, the TPS is used as a temperature controller in place of a thermistor controller.

