

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

Battery purposes

Temperature control of electric chargers (batteries) for forklifts

Electric powered small forklifts are used in warehouses. The temperature powerful sensor (TPS) from Matsuo, the supplier of thermostats for temperature control, is effectively used in the electric charger (battery) of those forklifts. When the charger dissipates heat, the MQT8K 40YC controls the fan to cool the charger to be within a range of 33°C~40°C.

The temperature powerful sensor (TPS), with its long life and small differential features, can be used as a substitute for the thermistor controller.



Temperature control of lead accumulators (batteries) for industrial use

Temperature powerful sensors (TPS) from Matsuo have been used in many cases for temperature control of lead accumulators (batteries) which are often used as a back up power supply in electric substation equipment, communication base stations, emergency illumination, and UPS and communication equipment. The temperature powerful sensor MQT8H 50YB, which can also be used for temperature control, is attached to the battery for overcharge protection. When the temperature reaches 50°C on a temperature rises, the TPS turns ON to discontinue the charging.

