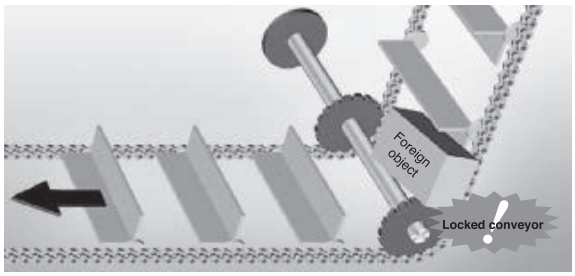
Application examples

K8AK-AS



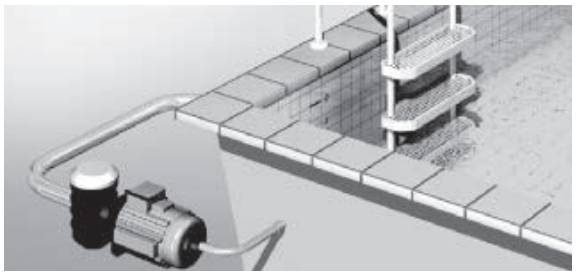
● Purpose

When the motor locks, its rotational torque may break the chain. To prevent that from happening, the relay must trip the instant it detects a motor lock error.
A thermal relay cannot be used for chain protection because it takes too long to start operating.

● Advantages

The K8AK-AS offers effective chain protection because it starts operating in 0.1 s or less.

K8AK-AW



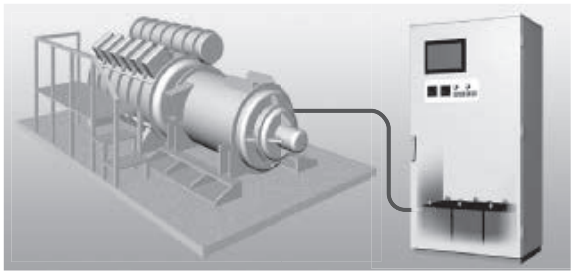
● Purpose

A monitor of the overcurrent of a submersible pump and the undercurrent is needed.

● Advantages

K8AK-AW can monitor the overcurrent and the undercurrent at the same time with a single K8AK-AW.

K8AK-VS



● Purpose

The K8AK-VS is used to check battery charge levels of the equipment engine booting .

● Advantages

The K8AK-VS can detect when the battery charge is low.

K8AK-VW

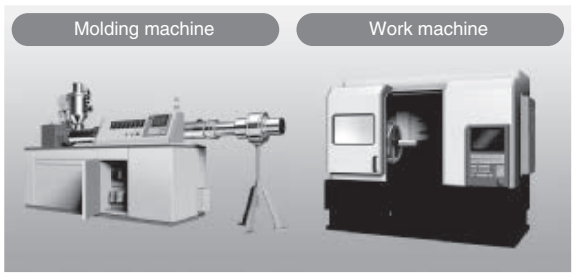
● Purpose

Control panel must be carefully monitored because the effects of a power outage or voltage drop would be highly detrimental to equipment. The K8AK-VW monitors the control power supply for overvoltage and undervoltage levels.

● Advantages

Overvoltage and undervoltage can be detected with a single K8AK-VW. It can also output individual overvoltage and undervoltage alarms using SPDT relays, and can provide a pre-alarm warning output to eliminate system downtime.

K8DS-PH



● Purpose

The K8DS-PH detects phase-sequence or phase-loss errors in molding machine/machine tool power supplies.

● Advantages

K8DS-PH is small, so it can be compactly installed.

K8AK-PH

● Purpose

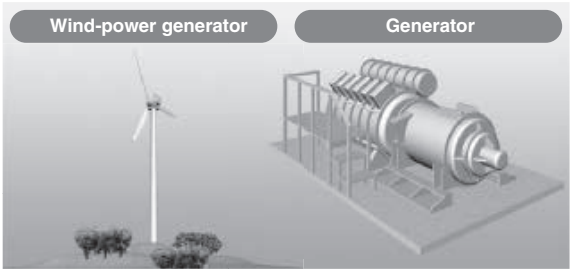
The K8AK-PH detects phase-sequence or phase-loss errors in escalator/ elevator power supplies.

● Advantages

An output relay of K8AK-PH is 2c output.
That it's for control, it's possible to classify and use one for warnings.

Application examples

K8AK-PW



● Purpose

The K8AK-PW detects overvoltage and undervoltage in power generated by a power generator

● Advantages

A single K8AK-PW can be used for a three-phase power supply with three or four wires.
It can be used to individually set and output overvoltage and undervoltage alarms.

K8AK-PM

● Purpose

Cranes cannot operate correctly when there is a overvoltage and undervoltage, or a phase-sequence or phase-loss error.
The K8AK-PM can be used to monitor three-phase voltage, phase-sequence, and phase-loss errors.

● Advantages

A single K8AK-PM can monitor overvoltage and undervoltage, as well as phasesequence,and phase-loss errors in threephase voltage.
It can also output individual alarms for overvoltage or undervoltage using SPDT relays.
This makes it possible to determine which type of error occurred.

K8AK-PA

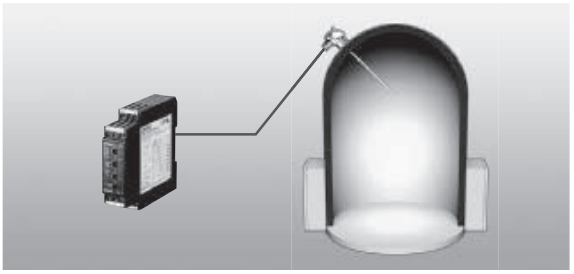
● Purpose

Compressors cannot operate correctly when there is a phase-sequence, or a phase asymmetry or phase-loss error.

● Advantages

A single K8AK-PA can monitor voltage unbalance, as well as phase-sequence, and phase-loss errors in three-phase voltage.

K8AK-TH



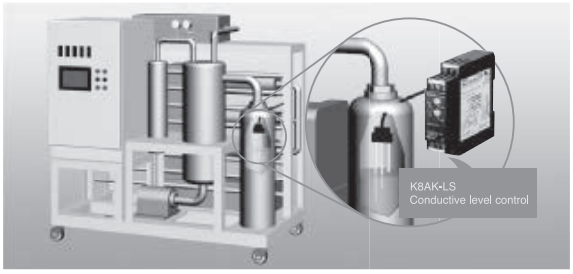
● Purpose

K8AK-TH is used for overtemperature prevention of heater and abnormal temperature monitoring.

● Advantages

K8AK-TH is the slim type by DIN rail installation, so it's most suitable for the warning use.
Temperature setting can be established easily by the rotary switch.

K8AK-LS



● Purpose

The K8AK-LS can be used to control the liquid level in a tank.

● Advantages

Because the sensitivity resistance can be adjusted from 10 k to 100 kΩ, there is no need to change models to match different liquid types and concentrations.
You can also set the operation time in a range of 0.1 to 10 seconds to prevent operating errors due to chattering.
Water supply and draining control can be changed by DIP switch.