



WKJD系列液位控制继电器

WKJD TEMPERATURE CONTROL LEVEL SWITCH SERIES

(一) 简介

WKJD型液位液温控制继电器是一种集温度显示、温度控制、液位控制为一体的新型液位液温电发讯控制装置，主要用于箱内液体温度显示控制以及液位控制，具有结构紧凑、功能齐全、控制灵敏、安装简单、使用方便等特点。

INTRODUCTION

WKJD type temperature control level switch is a kind of liquid temperature control device, with temperature control, level control for electrical transmission. It is mainly used in the tank for temperature display control and liquid level control, with compact structure, complete functions, control agility, simple installation, convenient use, etc.

(二) 功能及应用介绍

显示

当温度低于 -9°C 时，显示屏显示“LO”，温度高于 99°C 时，显示屏显示“H”

温度控制

当温度 \geq 高温报警设定值时（设定范围 $30\sim 70^{\circ}\text{C}$ ），高温开关闭合，可以控制启动冷却降温，直到温度下降至“高温报警设定值-N值”时，高温开关断开

当温度 \leq 低温报警设定值时（设定范围 $10\sim 20^{\circ}\text{C}$ ），低温开关闭合，可以控制启动加热升温，直到温度上升至“低温报警设定值+ 1°C ”时，低温开关断开

温度报警

当温度 \geq 高温报警设定值时，启动高温报警，当温度下降至“高温报警设定值 -2°C ”时，报警结束

当温度 \leq 低温报警设定值时，启动低温报警，当温度回升至“低温报警设定值 $+1^{\circ}\text{C}$ ”时，报警结束

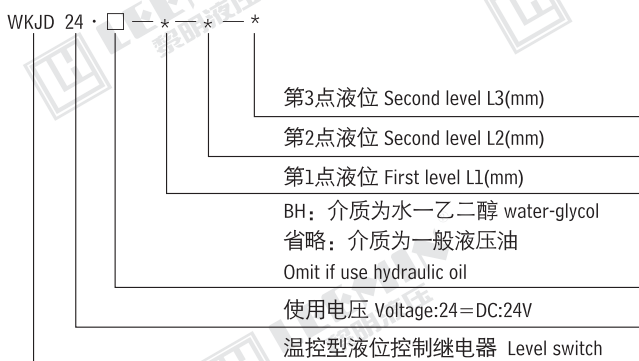
报警启动时，蜂鸣器响10秒后停止蜂鸣，报警指示灯闪烁，直到报警结束后，报警指示灯停止闪烁

液位报警（2个点为例，2个点独立控制）

当液位于或低于低液位点时，低液位指示灯亮，低液位开关闭合，液位恢复正常后，低液位指示灯灭，低液位开关断开

注：N值设定范围 $1\sim 15^{\circ}\text{C}$

(三) 型号说明 MODEL CODE



注：各点之间最小间距为50mm，新选型时，请与我司技术部联系，确定规格型号



FUNCTIONS & APPLICATIONS

Display

When the temperature below -9°C , the screen shows "LO", when the temperature higher than 99°C , the screen shows "H"

Temperature control

When the temperature reach to high temperature alarm value(Temperature setting rage: $30^{\circ}\text{C}\sim 70^{\circ}\text{C}$), the high temperature switch is on, can control the start of cooling, until the temperature dropped to the high temperature alarm value $-N$, high temperature switch off

When the temperature reach to low temperature alarm set point or less(Temperature setting rage: $10^{\circ}\text{C}\sim 20^{\circ}\text{C}$), the low temperature switch is on, can control the start heating up, until the temperature rise to $+1^{\circ}\text{C}$ low temperature alarm value, low temperature switch off.

Temperature alarm

When the temperature reach to high temperature alarm value, will start temperature alarm, when the temperature dropped to the high temperature alarm value -2°C , alarm over

When the temperature reach to low temperature alarm set point or less, will start low temperature alarm, when the temperature rose to $+1^{\circ}\text{C}$ low temperature alarm set point", alarm over

Alarm starts up, buzzer rang 10 seconds alarm after that the lights flashing, until the end of the alarm, alarm indicator lights stop flashing

Liquid level alarm (2 points, for example, two points independent control)

When the liquid level at or below the low level, low liquid level indicator flash, low liquid level switch is closed, when returned to normal level, low liquid level indicator closed, low liquid level switch off.

When the liquid level at or above the high level, high liquid level indicator flash, high level switch close, when returned to normal level, high liquid level indicator closed, high liquid level switch off.

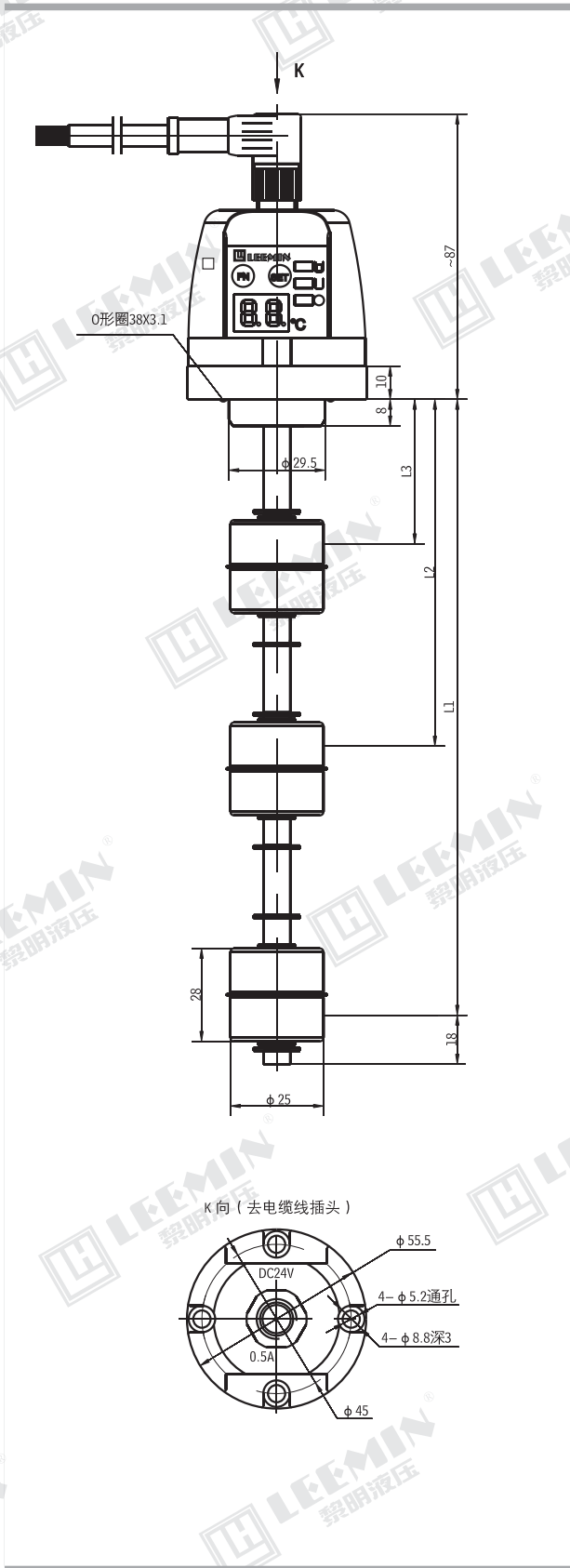
Note: the value of N setting rage is from $0\sim 15^{\circ}\text{C}$

(四) 主要性能参数 TECHNICAL DATA

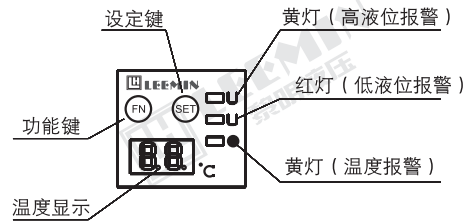
- 1.使用环境温度 Working environment temperature: $-20\sim +80^{\circ}\text{C}$
- 2.温度显示范围: Temperature range: $-9\sim +99^{\circ}\text{C}$
- 3.使用电压: Voltage: DC24V
- 4.产品功耗: power dissipation: $\leq 2\text{W}$
- 5.寿命(次): Life (times): $\geq 10^5$
- 6.输出: Output:
 - 高温控制开关 High temperature control switch (DC 24V/0.3A)
 - 低温控制开关 Low temperature control switch (DC 24V/0.3A)
 - 液位开关(一点、二点、三点可选) (DC 24V/0.3A)
 - Liquid level switch (1 group, 2 group, 3 group optional)



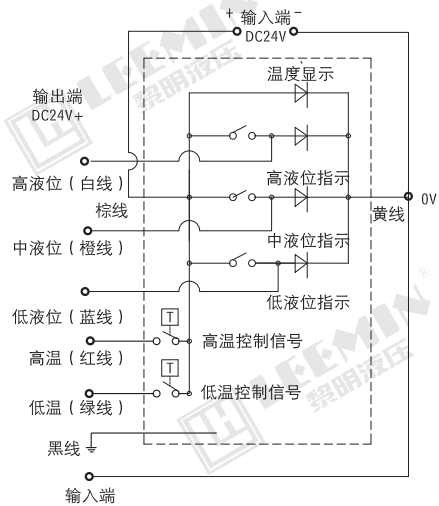
(五) 安装外形尺寸 MOUNTING SIZE



(六) 操作面板 (2个液位点) 及接线说明
Operation panel and the Wiring instructions
(two level point)



接线说明 WIRING INSTRUCTIONS	
棕色Brown	DC24V(+)
黄色Yellow	DC24V(-)
绿色Green	低温报警Low temperature alarm
红色Red	高温报警High temperature alarm
蓝色Blue	低液位报警Low level alarm
橙色Orange	中液位报警 (预留) Middle level alarm(Reserved)
白色White	高液位报警High Level alarm
黑色 Black	接地ground lead



(七) 说明 Notes

- 3个液位控制点时, 面板上不带温度报警指示灯
With 3 liquid level control points, the front panel is without temperature alarm indicator.
- 随产品附带8芯航空插头, 电缆线长1米
Attached with the product is an 8-core aviation plug with a cable length of 1 m.
- 数显温度仅供参考, 不适用于计量要求场合
Temperature display is for reference only, do not apply to the measurement requirements