

### Panorama Rudder Angle Indicator 三视窗舵角指示器



E.g.例: KLY-RA200TW- ± 45° (4-20mA) - DC24V

1. **Enterprise Code**企业识别码: KLY
2. **Structure Type Code**结构型式代码: RA200TW
3. **Measurement Range**测量范围
4. **Input Signal**输入信号: 4-20mA, 10V, ± 10V等
5. **Auxiliary Power**辅助电源规格: DC24V



### Panorama Rudder Angle Indicator

With Illuminated function, built-in long-life LED, can ensure to get reading normally in dimmer condition.

This series of indicator is water-proof, anti-salt mist, suitable for marine environment. Model prefix is KLY-RA200TW.

Indicator offers two styles on scale plate

It Indicates vessel' s rudder angle position, adopting traditional moving-coil movement, ensure quick response time; This indicator, has 3 big windows with large fonts and scale, and visible areas, let user can quickly and easily to get the indicator' s reading from any angle up to 250° and from a distance of up to 5m.

#### Notice

- a) Please DO the connection properly according to the wiring diagram
- b) Please cut off the power before any connection.
- c) DO NOT apply voltage over than the range of the suggested voltage; otherwise the instrument will malfunction.
- d) DO NOT use the instrument under the condensation environment.
- e) DO NOT touches any part of the applied voltage when you use the instrument near the area of the exposed live parts, wearing the insulated hand gloves is recommended.

### 全视窗舵角指示器

具有夜光功能，内部配有长寿命LED灯，可保证在较昏暗的环境下正常的读取数据。

本系列仪表防水，防盐雾，适用于海洋环境。

代表型号为KLY-RA200TW

指示器有两种显示风格供选择

用于指示船舶的舵角位置，采用传统的动圈式机芯，保证了极短的响应时间；该指示器有三个比较大的刻度及可视区域，保证用户能从250°范围内的任意角度和5m的距离内可快速地、轻松地读取舵角指示器的指示位置；

#### 注意事项

- a) 请按照接线图正确接线。
- b) 在接线连接前，请务必切断测量物的电源。
- c) 请勿施加超过指示值以上的测量值，这会引成本仪表发生故障。
- d) 请勿在结露状态下使用。
- e) 当在裸露、带电部分的周围使用仪器时，请勿碰触到施加电压的部分，此时，推荐使用橡胶手套等保护工具。

No. 编号	Scale plate 刻度盘	Scale Division 刻度线	Scale Numbers 刻度数字	Pointer 指针
1	White白色	Black黑色	Black黑色	Blac黑色
2	Black黑色	Yellow黄色	Yellow黄色	Yellow黄色

### Technical Specification 技术参数

Parameters 参数	KLY-RA200TW			
Accuracy 精度	1.5			
Dimmer power supply 调光电源 V	24V AC/DC -25/+30%			
Consumption 功耗 W	≤4W			
Analog output 模拟量输入 可选量程	mA	DC 0-1mA	0-20mA	DC 0-100mA
		DC -1-0-1mA	4-20mA	DC -100-0-100mA
	V	DC 0-1V	0-10V	DC 0-100V
		DC -1-0-1V	-10-0-10V	DC -100-0-100V
Input load 输入负载 -	Voltage 电压: 1KΩ/V Current 电流: 4V			
Wire capacity 接线容量	Soft wire 柔性导线: 0.2-2.5mm <sup>2</sup> Hard wire 刚性导线: 0.2-2.5mm <sup>2</sup> Gauge 线规: 24-12AWG			
Meter mounting hole 仪表固定孔 mm	Φ 5.5 x 6			
	Minimum 最小值	Standard 标准值	Maximum 最大值	
Operating temperature 工作环境温度 °C	-10	-	55	
Storage temperature 保存环境温度 °C	-20	-	70	
Relative Humidity (No condensation) 相对湿度(无结露) %	25	-	93	
Temperature Affect 温度影响	between -15 and 55°C Max. ± 1.5% 在-15...55°C时最多 ± 1.5%			
Ingress Protection 防护等级	Front panel 面板: IP54			
Safety Standard 安规	Safety Class 安全等级: CAT.III. -300V			
	Pollution degree 污染等级: 2			
Material 材料	LG LUPOY GP-1006-F			
Size 外形尺寸 mm	Φ 370x115			
Weight 重量 Kg	-	-	1.5	

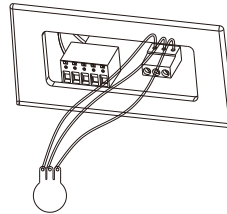
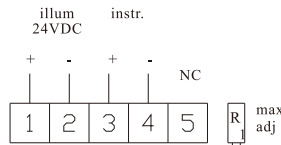
### Wiring Diagram 接线图

After removal of back panel cover, you can see internal terminals immediately.

当拆除指示器的后面板后, 即可看到内部的连接端子。

Pin no. 脚序	Function 功能	Illustration 说明	Remark 备注
1	Illuminated power supply 照明调光电源	Positive 正极	DC24V
2		Negative 负极	
3	Analog input 模拟量输入	Signal + ' ve 信号正	
4		Signal - ' ve 信号负	
5	Empty 空脚		
6	Potentiometer (Dimmer) 调光电位器	Middle Lead 中心头	1kΩ /2w Potentiometer 电位器
7			
8			

For general current/voltage:



Caution: If middle lead of potentiometer (dimmer) is wrongly wired, internal circuits of this indicator will be damaged!

注意: 当将调光电位器的中心脚接错位置时会损坏此舵角指示器的内部电路!

### Dimension 尺寸图

