MUJIE 慕杰®

YOUR AUTOMATION, YOUR MUJIE !

智能识别，操作简单，
灵敏度高，防水IP65，
通过4位数字显示实现检测数值管理和微小设定

智能显数色标传感器系列
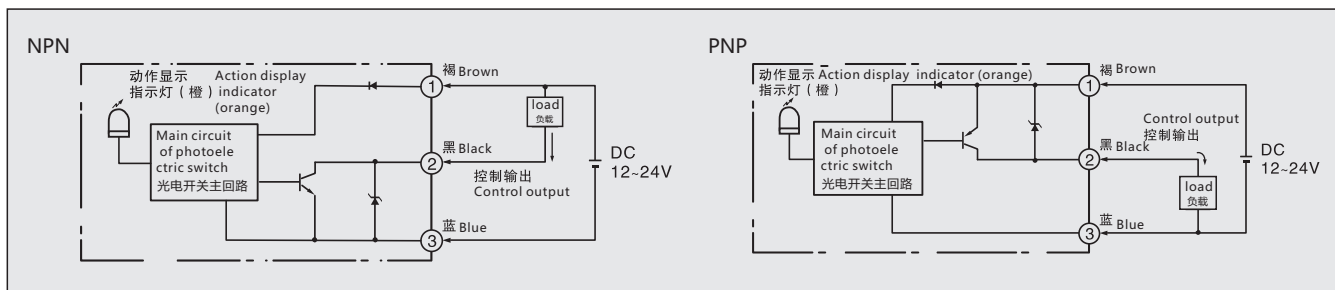## Intelligent digital color scale sensor series

Intelligent identification, simple operation,
High sensitivity, waterproof IP65,
Through 4-digit digital display, the detection value
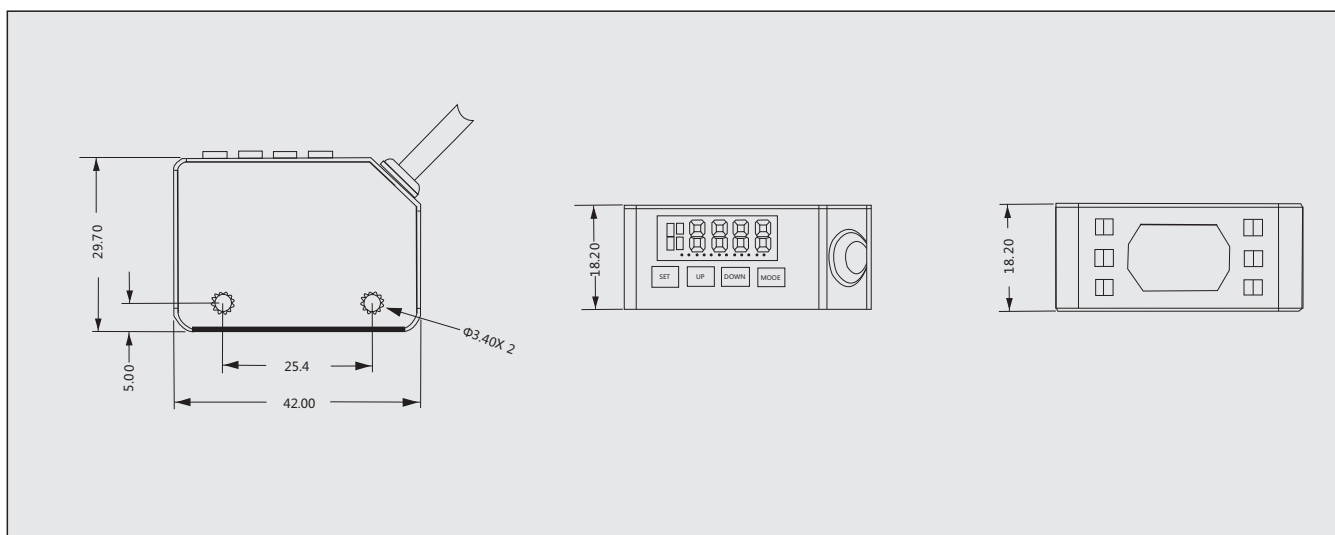management and tiny setting can be realized.

▶ 技术规格Specification

型号 Type	MZL-BG150N(条形光)(Bar light) MZL-D1000N(条形光)(Bar light)	MZL-BG150P(条形光)(Bar light) MZL-D1000P(条形光)(Bar light)
输出 output	NPN	PNP
类型 Type	导线引出型 Lead-out type	
输出口 Output Port	一个输出口 An output port	
光源 light source	红色LED Red LED	
响应时间 Response Time	0.5ms	
输出状态 Output State	LIGHT-ON/DARK-ON(亮通，暗通切换) Light-on/dark-on	
显示指示Display instruction	单数显操作指示灯：设定值(4位红色LED),当前值(4位红色LED灯),通电时显示当前值。当前范围：0-4089.	Single digit display operation indicator: set value (4-digit red LED), current value (4-digit red LED), and the current value is displayed when powered on. Current range: 0-4089
检测方式 Detection method	光亮度 Brightness	
延时功能 Delay Function	断开延时计数器/开启延时计数器/断开单次延时计数器/开启单词延时计数器。计数器持续时间可选择：0.1ms-9.999ms	Disconnect delay counter / open delay counter / disconnect single delay counter / open word delay counter. Counter duration selectable: 0.1ms-9.999ms
控制输出 Control output	集电极开路24V，最大100mA Open collector 24V, Max 100mA	
电源 Power Supply	12-24V DC±10%之间，浮动比率(P-P):最大10% 12-24V DC ± 10%, floating ratio (P-P): max. 10%	
工作环境亮度 Working Environment Brightness	白炽灯：最大20,0000lux，日光：最大30,000lux Incandescent lamp: maximum 200000lux, daylight: maximum 30000lux	
损耗功率 Loss of power	标准模式：最大0.5W(24VDC) Standard mode: max. 0.5W (24VDC)	
耐振动性 Vibration resistance	10至50Hz，双重振幅：1.5mm，X,Y,Z轴分别2小时 10 to 50Hz, double amplitude: 1.5mm, x, y and Z axes for 2 hours respectively	
耐冲击性 Impact Resistance	X,Y和Z方向为500m/s²，各3次 10. 500m/s2 in Y and Z directions, 3 times each	
工作温度 Operating temperature	-10至50℃无结冰 -10 To 50 ° C no ice	
外壳材料 Shell material	聚碳酸酯 polycarbonate	
相对湿度 relative humidity	35-85%，无结冰 35-85% , no ice	
重量 weight	约53g(含2米线缆) About 53g (including 2m cable)	

▶ 电路输出方式(示例) Example for output circuit

NPN

PNP

▶ 安装尺寸图 Mounting Dimensions(单位Unit:mm)