

# Safety Relay Data Sheet

The safety relay adopts high-quality copper parts, durable, internal wires for terminals, more convenient installation, heat-resistant and cold-resistant to meet the needs of different environments.



## Specifications:

Model	SR4P2A1B24C	SR4P2A1B24S	SR4P2A1B22	SR4P2A1B24	SR4P3A1B24	SR4P2A1B24N/P-M
Output contact	2N/O,1N/C		2N/O,1N/C		3N/O,1N/C	2N/O,1N/C
Reset mode	Auto or manual	/	Auto or manual		Auto or manual	
Working voltage	DC24V	DC24V	DC/AC85-264V	DC24V	DC24V	DC24V
Consumption	3W					
Mean time between dangerous failures	94A	398A	60A	111A	111A	374A
Average hourly hazardous failure time	2.5*10 <sup>-8</sup>	2.6*10 <sup>-8</sup>	4.7*10 <sup>-8</sup>	2.5*10 <sup>-8</sup>	2.5*10 <sup>-8</sup>	2.6*10 <sup>-8</sup>
Switching capacity	AC-15,5A/250V;DC-13,6A/24V					
Release buffer time	<15mS					
Diagnostic Coverage	>99%					
Protection grade	IP50					
Operation temperature	-10~55°C					
Storage temperature	-40~85°C					
Wire cross-sectional area	Max.2.5mm <sup>2</sup>					
Length	Max.10m					
Size	96*22.5*116mm(L*W*H)					
Compliant with standards	EN 60947-5-1, EN61000-6-2, EN61000-6-3IEC/EN 60204-1, EN ISO 13849-1					

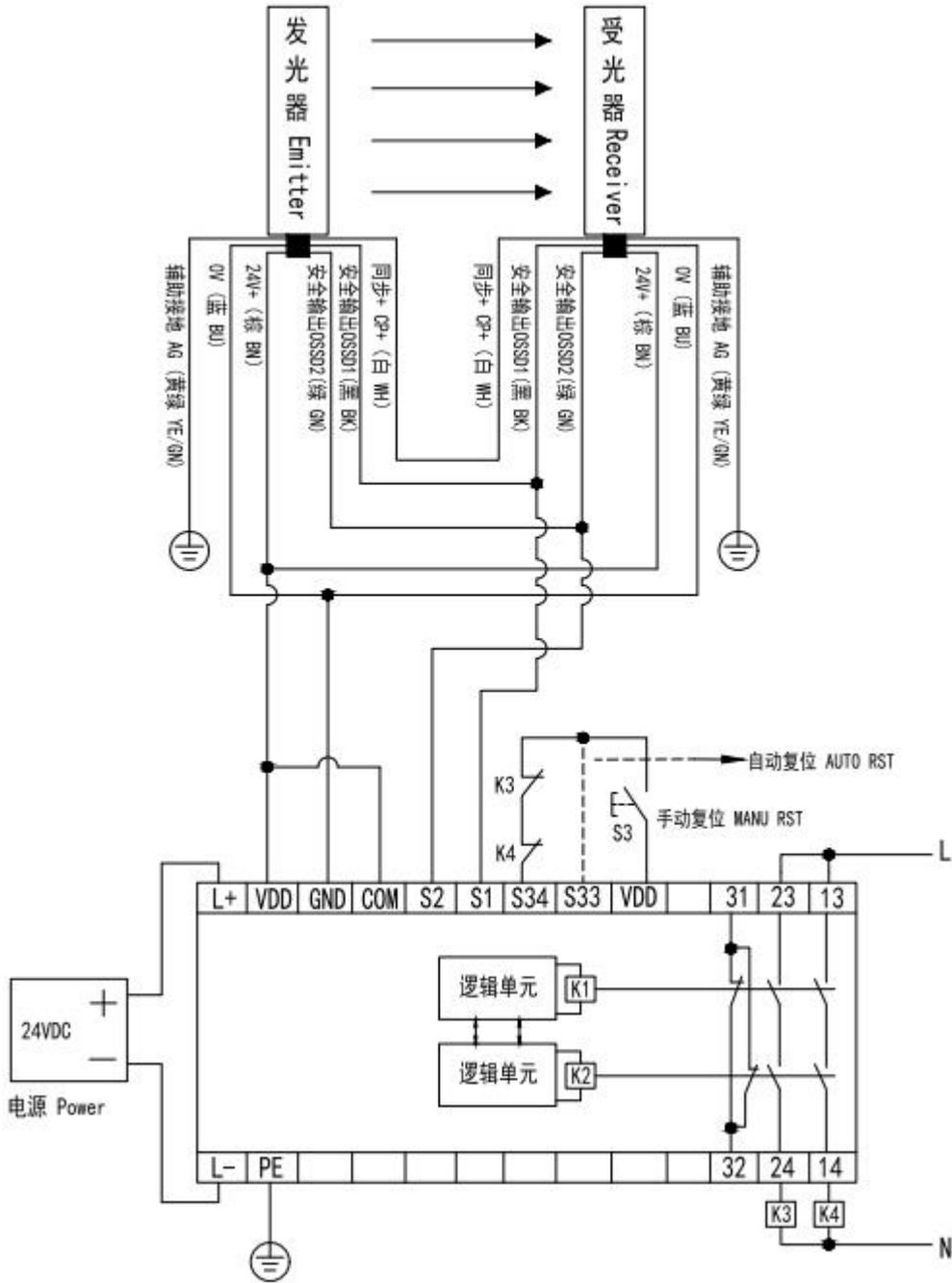
## Note:

Use to Model	Emergency stop switch for safety door switch	Two handed button	Dual NPN output safety light curtain	Dual PNP output safety light curtain	Inhibition function
SR4P2A1B22	✓				
SR4P2A1B24	✓				
SR4P3A1B24	✓			✓	
SR4P2A1B24S		✓			
SR4P2A1B24N			✓		
SR4P2A1B24P				✓	
SR492A1B24N-M			✓		✓
SR4P2A1B24P-M				✓	✓
SR4P2A1B24C			✓	✓	

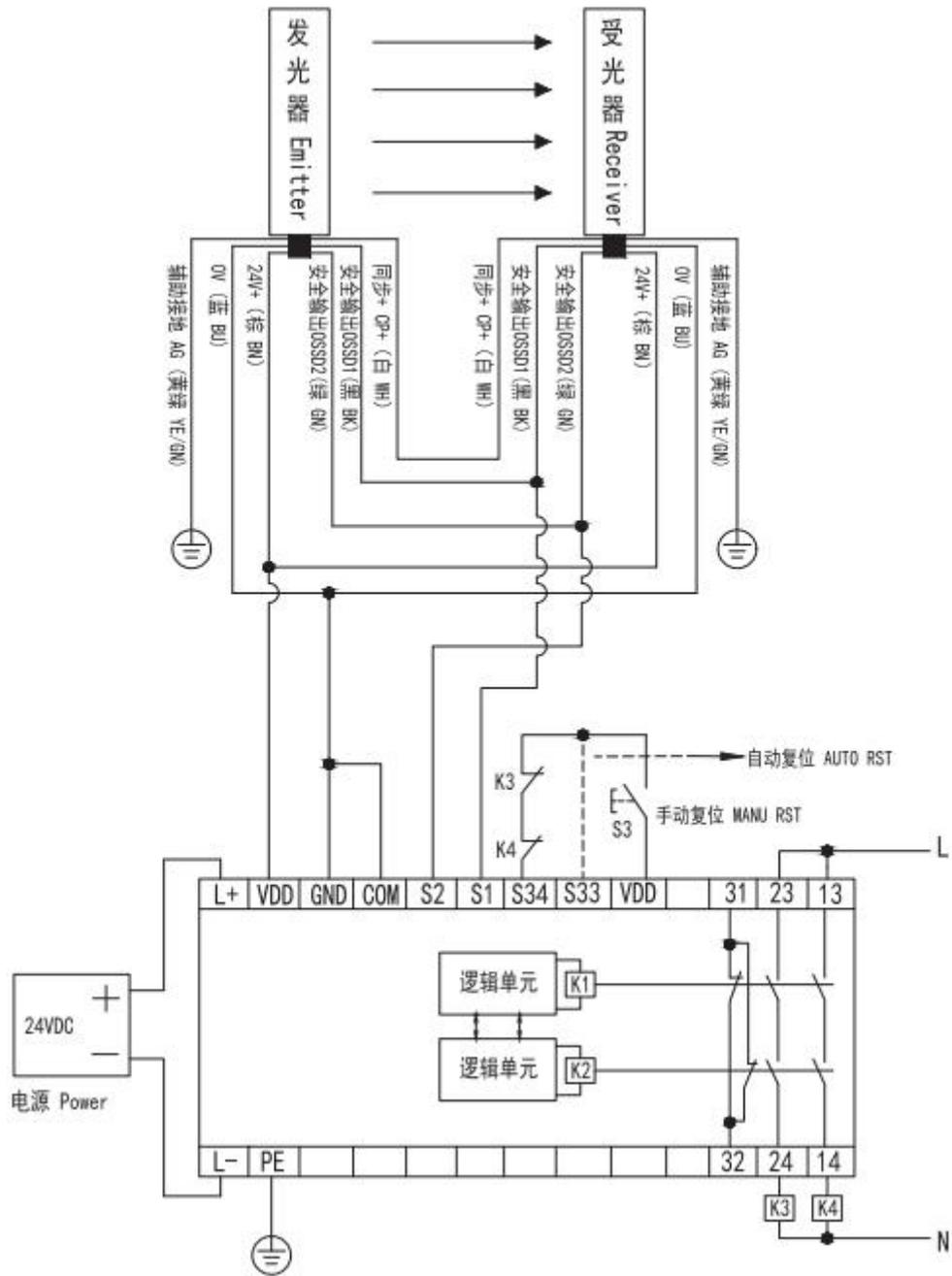
## Wring Diagram:

### 1. SR4P2A1B24C:

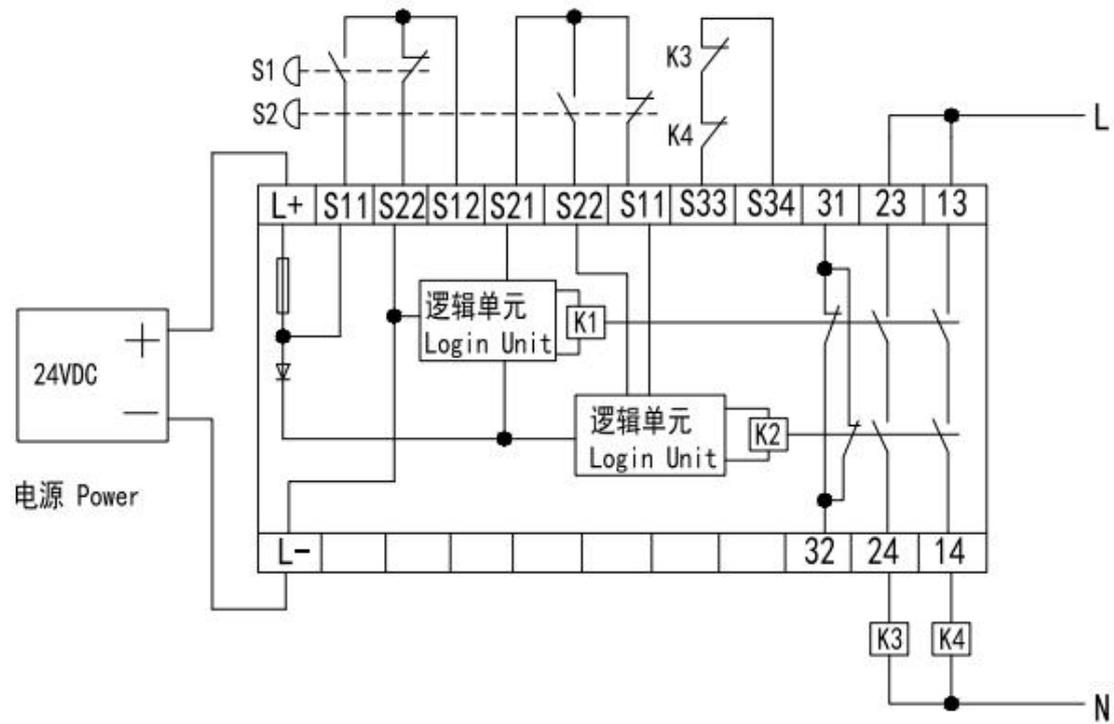
Safety light curtain NPN output:



Safety light curtain PNP output:

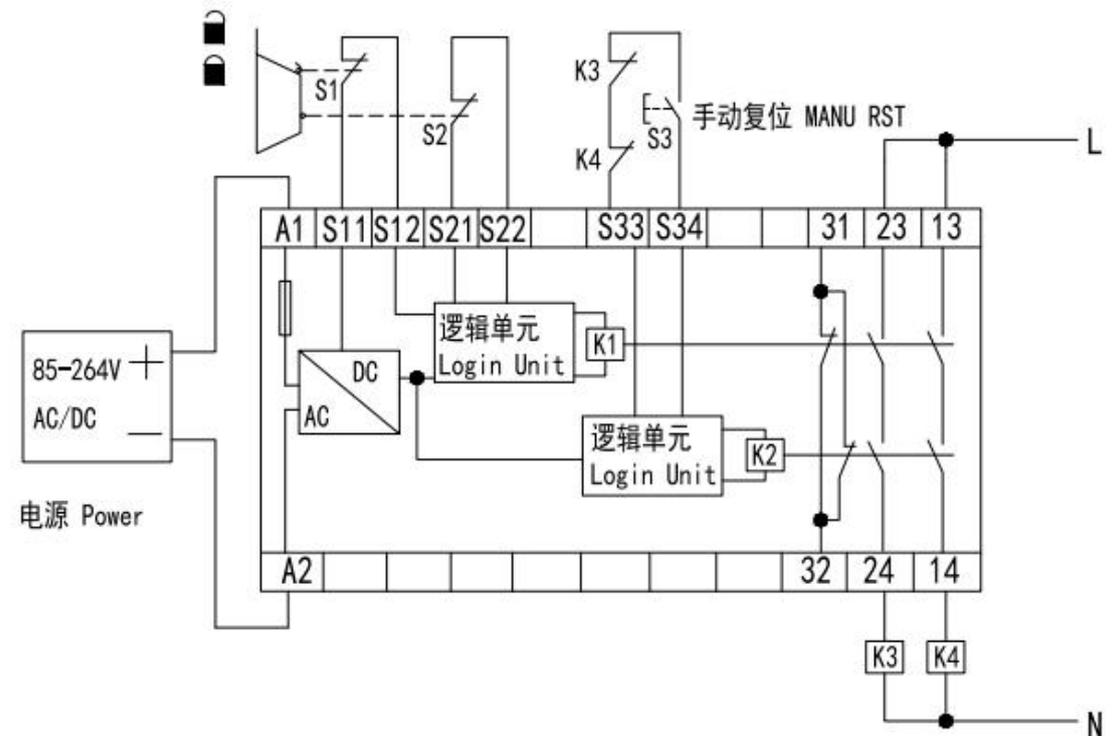


## 2. SR4P2A1B24S:

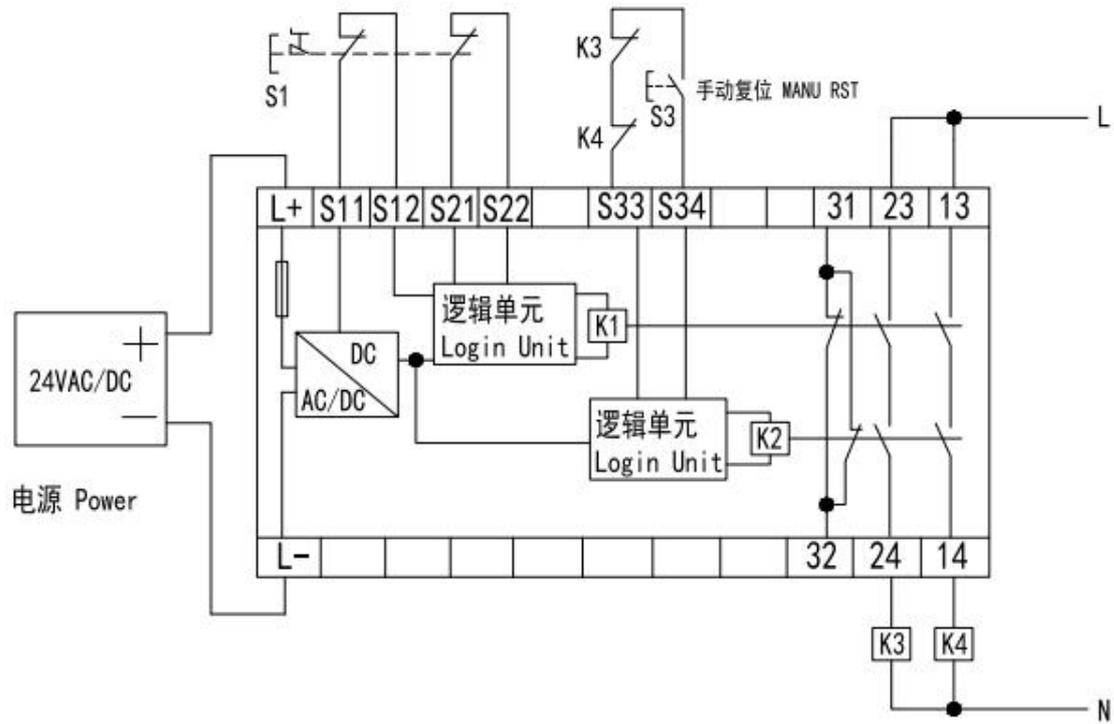


## 3. SR4P2A1B22:

Exit:

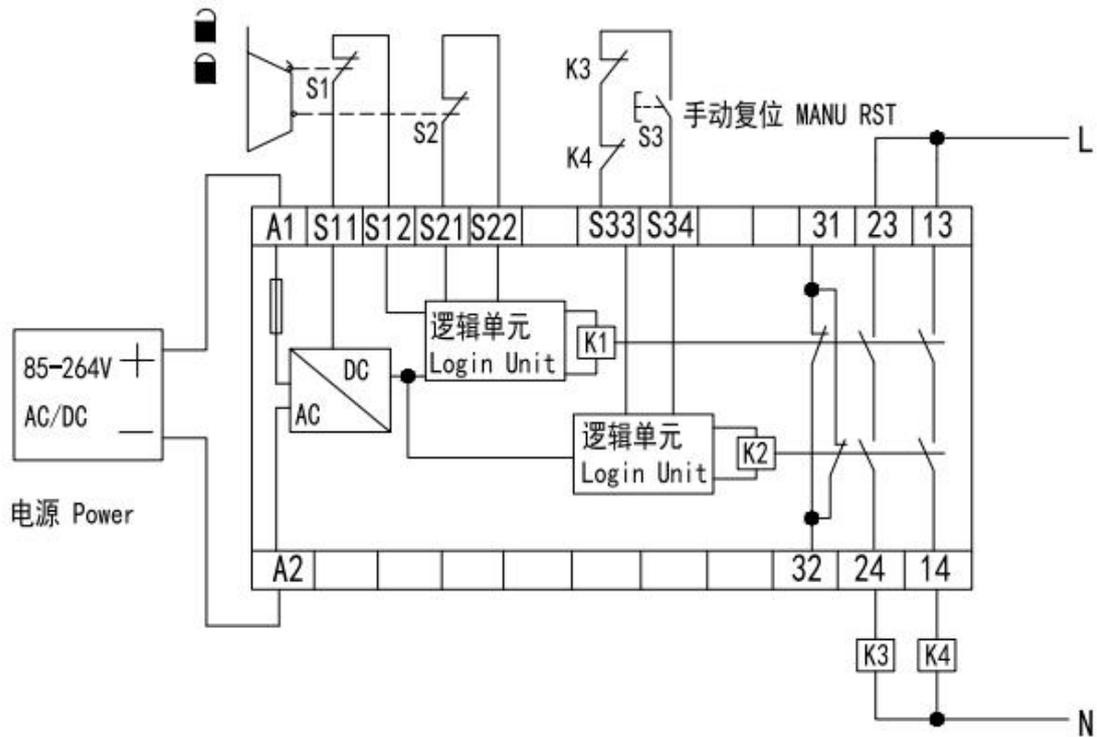


Emergency stop:

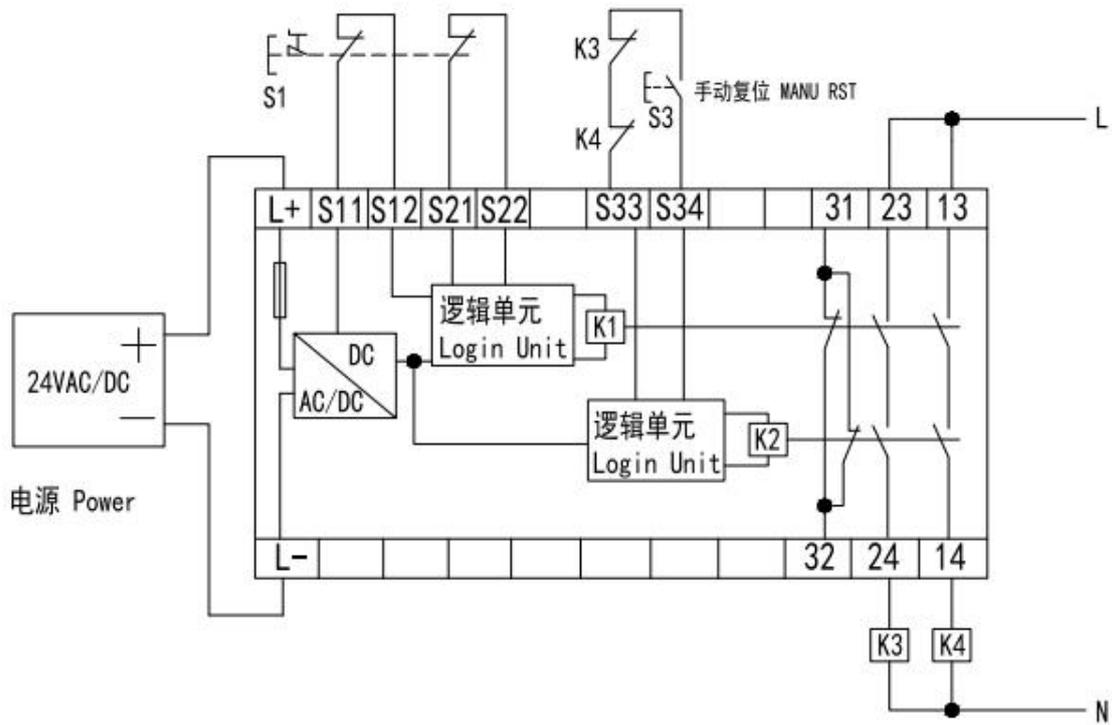


#### 4. SR4P2A1B24:

Exit:

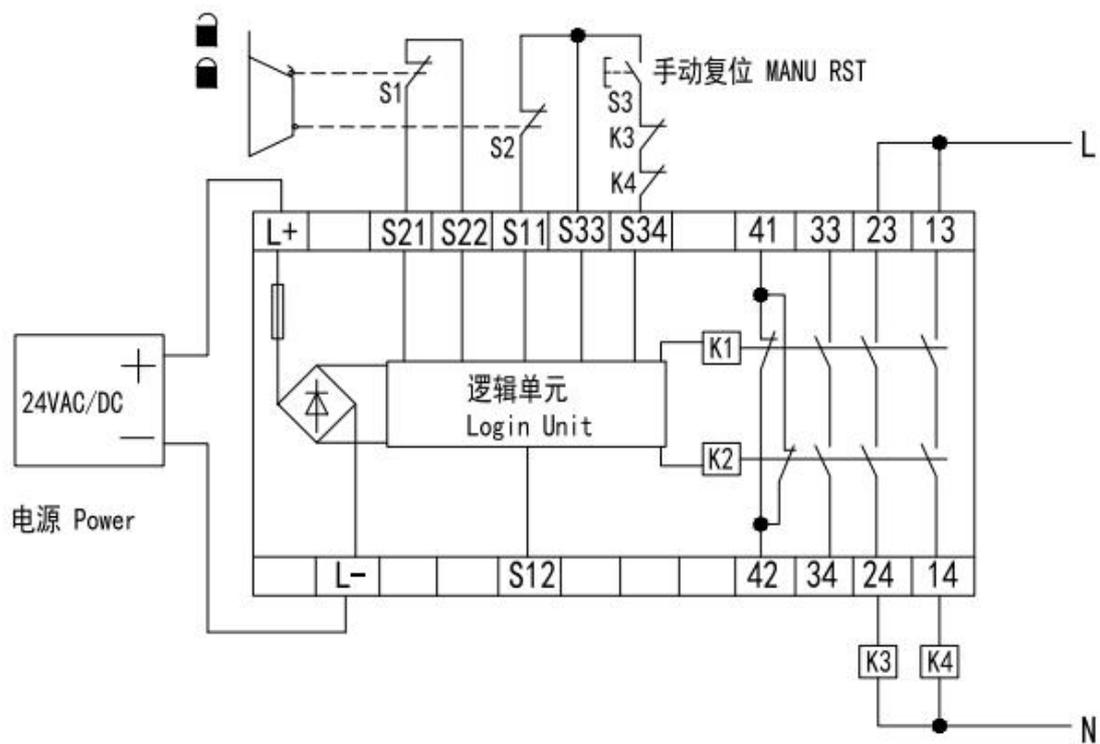


Emergency stop:

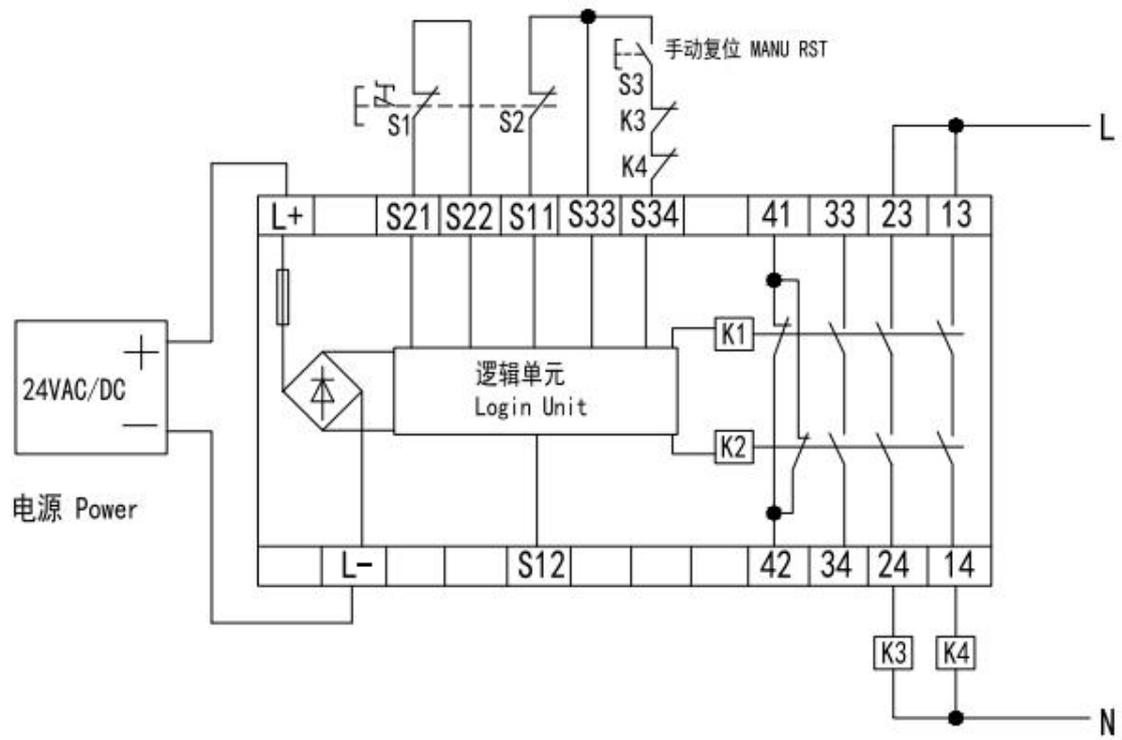


### 5. SR4P3A1B24:

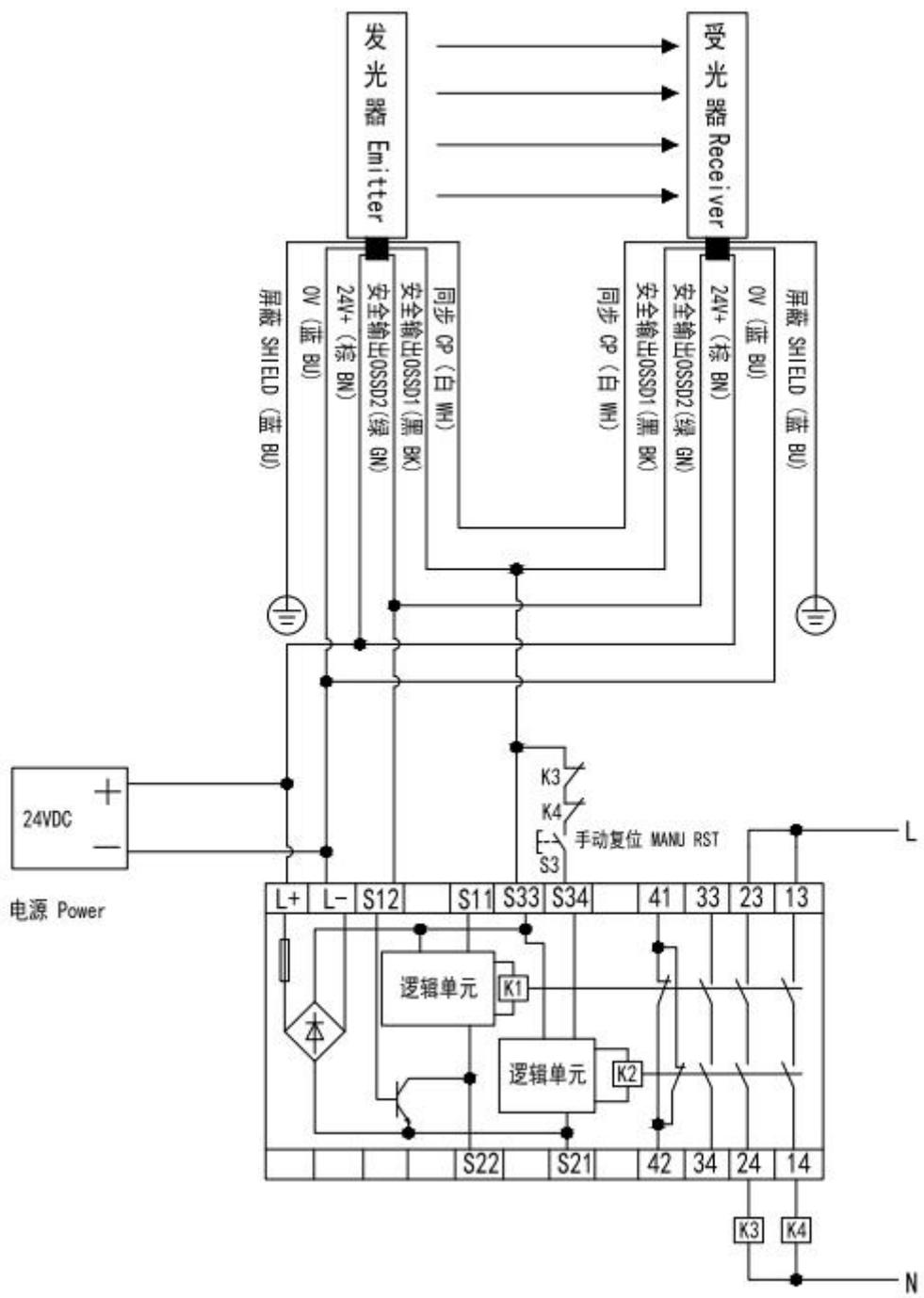
Exit:



Emergency stop:



Connected to safety light curtain (PNP output):



## 6. SR4P2A1B24N/P-M:

