

Street Light Control Box (LCB)

Brief Introduction

The street light control box integrates power distribution, intelligent control, safety protection, electricity metering, and status monitoring. It supports both manual and automatic control modes, is compatible with LED lights, and enables on-demand lighting and energy-saving management. It is widely applicable to centralized power supply, control, and protection of outdoor lighting systems in municipal roads, parks, and residential areas.

Special Features:

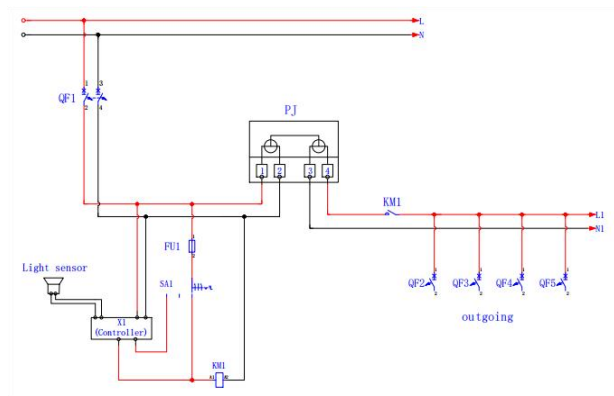
The street light control box has good resistance to atmosphere, water, and general concentrations of acids, alkalis, salts, and various oils and solvents. It effectively resists corrosion from acid rain, salt spray, and industrial pollutants, significantly reducing electrochemical corrosion and making it suitable for various harsh outdoor environments.



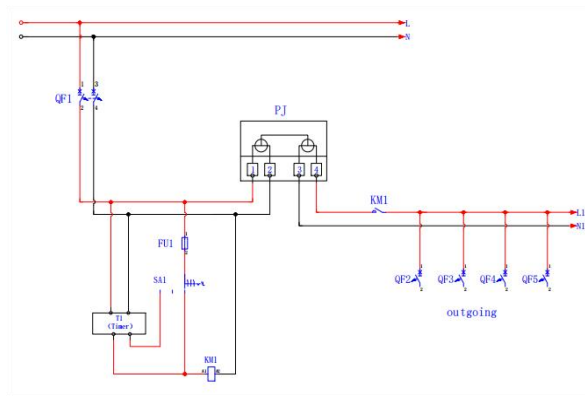
Main Parameter

Name	Technical Parameter	Name	Technical Parameter
Power supply system	Single Phase /Three Phase	Light sensor/ Clock	0.05-5k Lux/168H
Rated Voltage Rated Voltage	AC 230/400V	IP	Not less than IP54
Rated Frequency	50Hz	Metering unit	DC meter (Single Phase/Three Phase)
Rated Current	≤125A	Style	Outdoor
Material	Fiberglass Reinforced Plastic (FRP), Metal Plate	Control Method	Clock / Twilight switch /Manual control
Dimension	500(H) x 400(W) x 200(D) mm or Customization	Thickness	1.2mm (Cabinet Body) or Customization

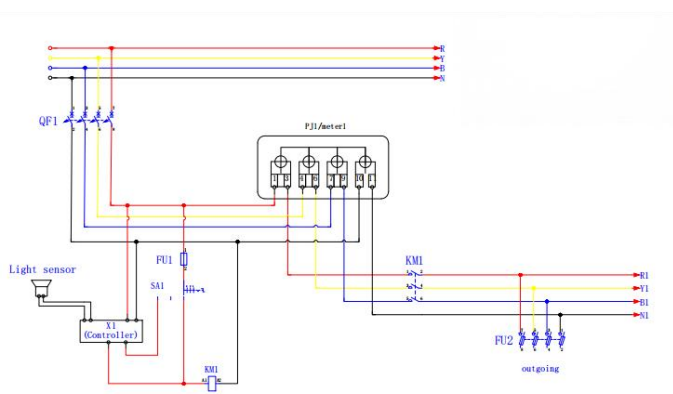
Connection Diagram



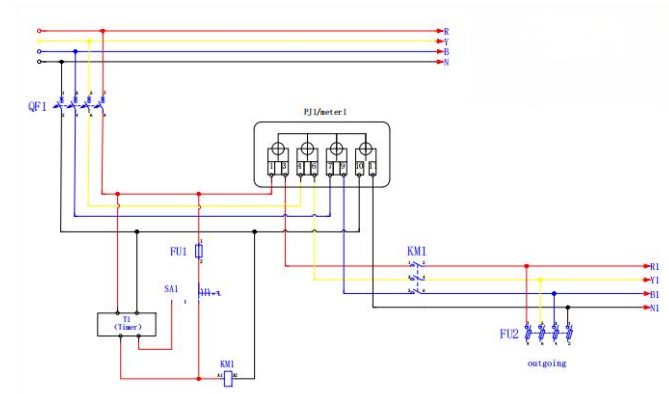
A (Typical Single Phase Twilight Control Mode)



B (Typical Single Phase Time Control Mode)



C (Typical Three Phase Twilight Control Mode)



D (Typical Single Phase Time Control Mode)

Installation

Pole installation (Square pole / Round Pole)



Installation Accessories

Option installation accessories :



Stainless steel strap



Crossarm



PG Connector



Rubber seal

Typical Project Cases

XLL Power has always adhered to a market-oriented approach, implemented a brand strategy, and built high-quality projects. It consistently upholds the business value of "Heritage; Practicality; Hard Working; Exceed Oneself" and adheres to the mission of "For a better world." With a craftsman's dedication, it pursues project quality, provides excellent services, delivers high-quality projects for customers, and meets client needs to the greatest extent.

Togo Market

Three Phase Twilight Control Mode



Dakar Market

Single Phase Twilight Control Mode



Bissau Market

Three Phase Twilight Control Mode



Mozambique Market

Single Phase Time Control Mode



Mozambique Market

Three Phase Time Control Mode



Mauritania Market

Single Phase Twilight Control Mode

