POWER CONTROLLER WITH REAL TIME CLOCK

FOR Metal Halide/High Pressure Sodium/Mercury Vapor/Fluorescent

PSJ Power Controller can control energy consumption and reduce demand charge. With the new lighting control equipment technology,**N.C.W.I.**, lighting can be controlled in a range of 100% to 50 % of luminous flux for fluorescent, high pressure sodium, and mercury vapor and 100% to 60% for metal halide

Benefits

- Save electricity expense more than 50 %
- Easy to control the intensity of lighting
- Extend lamp lifetime up to 100%
- Reduce demand charge
- Reduce air-condition consumption
- Easy to install and apply to the old system
- Save global energy with sustainable way
- Support global warming trend

Example

Lamp Type	Fluorescent / Mercury Vapor / High Pressure Sodium / Metal Halide
Quatity	1 Lamp
Month	12 Months
Working Day	30 Days
Period	12 Hours
Electronicity Cost	3.3 THB/Unit

	FL 18W	FL 36W	MV 250W	HPS 400W	MH 1000W
Ballast Lost (W)	11	11	30	55	80
Electricity Usages (kW)	0.029	0.047	0.28	0.455	1.08

	Electricity Cost per Year (THB)				
Power Usages (kW.Hr) 100%	413.42	670.03	3,991.68	6,486.48	15,396.48
Power Usages (kW.Hr) 80%	330.74	536.03	3,193.34	5,189.18	12,317.18
Power Usages (kW.Hr) 70%	289.40	469.02	2,794.18	4,540.54	10,777.54
Power Usages (kW.Hr) 60%	248.05	402.02	2,395.01	3,891.89	9,237.89
Power Usages (kW.Hr) 50%	206.71	335.02	1,995.84	3,243.24	7,698.24

	Saving per year (THB)			
-	-	-	-	-
82.68	134.01	798.34	1,297.30	3,079.30
124.03	201.01	1,197.50	1,945.94	4,618.94
165.37	268.01	1,596.67	2,594.59	6,158.59
206.71	335.02	1,995.84	3,243.24	7,698.24

Application

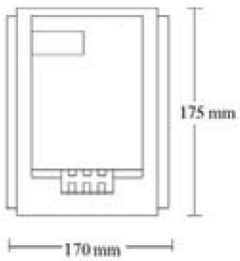
- Government or Non-Government Department
- Interior Design
- Lighting Design
- Highways and Express Ways
- Banking
- Industrial Segment and Factory
- Shop and Mall
- Hotel
- Hospital
- Office Building
- Warehouse
- Advertising Sign/Billboard

Key Features

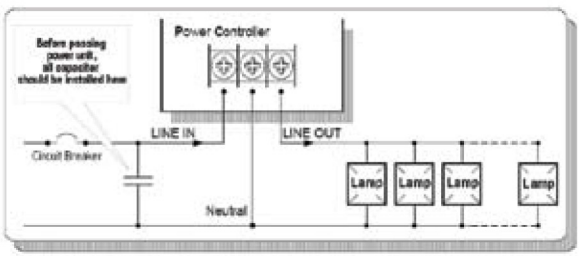
- 100% to 50% controlling for fluorescent, high pressure sodium, and mercury vapor 100% to 60% controlling for metal halide
- Very low EMI & EMC
- Very low voltage harmonics distortion < 1.6%
- Operate with magnetic ballast
- More flexibility modes of control (analog and digital control)
- Rugged design compatible to solid state relay
- Up to 99% relative humidity
- Industrial Grade

Model	Description	Weight (kg.)
PSJPR-10	Power Controller for 10A	1.28
PSJPR-20	Power Controller for 20A	1.28
PSJPR-30	Power Controller for 30A	1.28

Dimension



Wiring Diagram



Specification

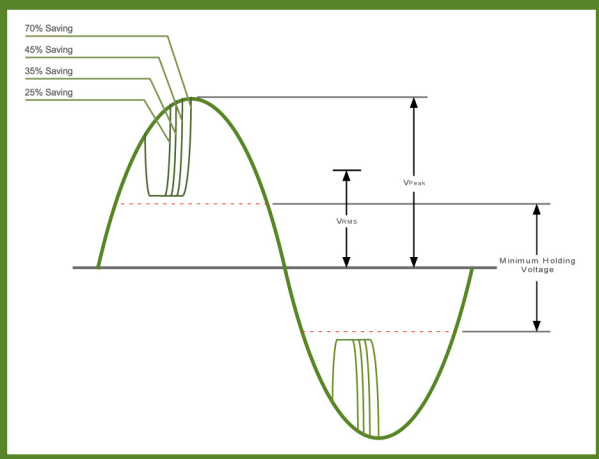
Mains supply:	220VAC±10%
Frequency:	50 Hz±1%
Controlling range:	100% to 50% for Fluorescent, High pressure sodium, and Mercury Vapor 100% to 60% for Metal halide
Power output:	10A , 20A , และ 30A
Ambient temp:	0 to 85 °C
Humidity:	Up to 99% Relative Humidity
Function:	Build-in Counter step = 5 step
Size:	(D) = 72 mm (H)= 175 mm (W)= 170 mm

*Remark: PSJP-30 cannot apply with Metal Halide Lamp

Information subject to change without notice

Non Critical Wave Intersection

N.C.W.I. Technique is specifically designed for gas-discharge lamps with magnetic ballast to be able to control power supply to the lamp in order to manage the energy more efficiently where full power-to-load is not required. Additionally, low insertion loss makes it more competitive to other technologies.



Contact

www.psjenergysave.com

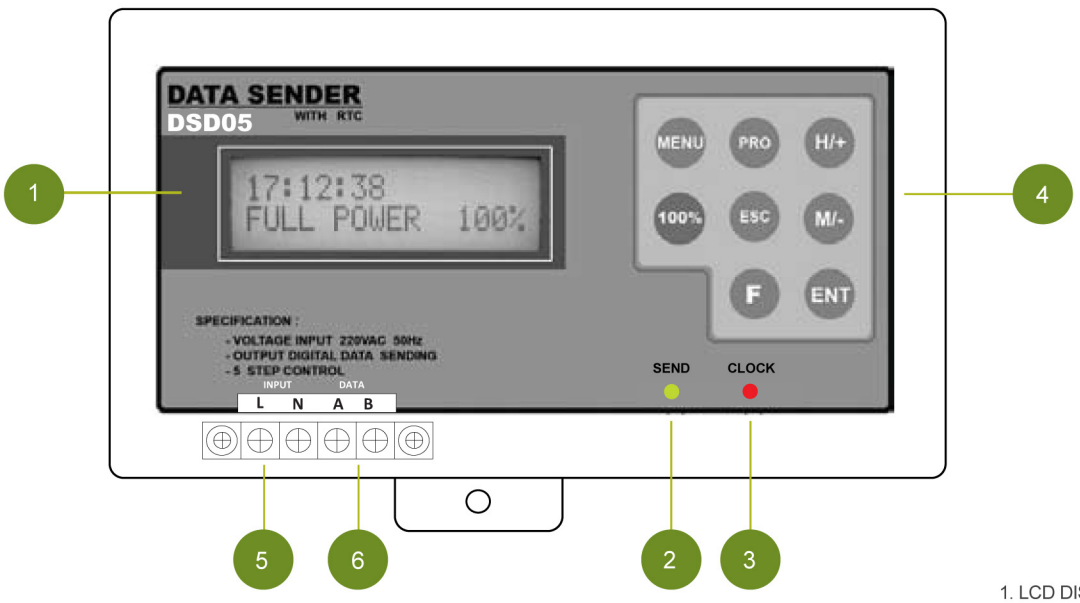
PSJDSR
PSJDSR-RF

for power controller with real time clock

WITH REAL TIME CLOCK

SPECIFICATION:

- Voltage Input 220~240VAC 50Hz
- Build-in Real-time clock
- Step program 5 step
- Command Digital data out
- Battery Backup 3 year



1. LCD DISPLAY
2. LED SEND DATA
3. LED CLOCK
4. KEY FUNCTION
5. 220VAC INPUT
6. OUTPUT DATA (A-B)

COMMAND CONTROLLER