





















Features

- · Constant Voltage PWM style output with user changeable frequency up to 4KHz compliant IEEE1789-2015 and EU Ecodesign SVM requirement
- \bullet Min. dimming level 0.01%
- · Plastic housing with class II design
- · Standby power consumption<0.5W
- · Support KNX Data Secure
- · No need KNX-DALI gateway
- · Typical lifetime>50000 hours
- 5 years warranty

Description

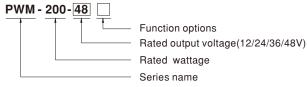
Applications

- · LED strip lighting
- · Indoor LED lighting
- · LED decorative lighting
- · LED architecture lighting
- Type "HL" for use in class I, division 2 hazardous (classified) location.
- · Cove lighting
- · Industrial lighting

■ GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx

■ Model Encoding



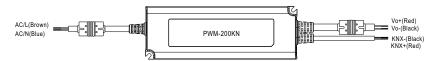
Type	Function	Note
KN	KNX control technology	In stock

PWM-200KN series

SPECIFICATION

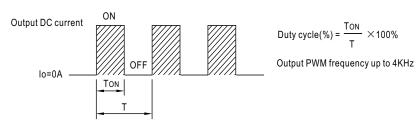
MODEL		PWM-200-12	PWM-200-24	PWM-200-36	PWM-200-48		
MODEL	DC VOLTACE	12V	24V	36V	48V		
	DC VOLTAGE RATED CURRENT	12V 15A	8.3A	5.55A	48V 4.17A		
	RATED POWER	180W	199.2W	199.8W	200.1W		
OUTPUT	DIMMING RANGE	0 ~ 100%					
	PWM FREQUENCY (Typ.)	200~4000Hz user changable via ETS					
	SETUP, RISE TIME Note.2	500ms, 80ms/230VAC, 1200ms, 80ms/115VAC					
	HOLD UP TIME (Typ.)	10ms/230VAC or 115VAC 100 ~ 305VAC 142 ~ 431VDC					
	VOLTAGE RANGE Note.3		HARACTERISTIC" section)				
	FREQUENCY RANGE	,	47 ~ 63Hz				
	POWER FACTOR (Typ.)	PF>0.97/115VAC, PF>0.96/230VAC, PF>0.94/277VAC @ full load (Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)					
	TOTAL HARMONIC DISTORTION		15VAC, 230VAC; @load≧7 HARMONIC DISTORTION" s				
INPUT	EFFICIENCY (Typ.)	92%	93%	94%	94%		
	AC CURRENT (Typ.)		230VAC 0.9A / 277VAC				
	INRUSH CURRENT (Typ.)	COLD START 65A(twidth=5	50µs measured at 50% Ipeak)	at 230VAC; Per NEMA 410			
	MAX. NO. of PSUs on 16A CIRCUIT BREAKER	, , , , , ,	oe B) / 5 units (circuit breaker o	of type C) at 230VAC			
	LEAKAGE CURRENT	<0.75mA / 277VAC					
	POWER CONSUMPTION	standby power consumptio					
	OVERLOAD		current limiting, recovers auto	matically after fault conditio	n is removed		
	SHORT CIRCUIT	Shut down o/p voltage, re-p	power on to recover	_			
PROTECTION	OVER VOLTAGE	13 ~ 18V	27 ~ 34V	41 ~ 49V	53 ~ 65V		
		Shut down o/p voltage, re-	-power on to recover after fa	ault condition is removed			
	OVER TEMPERATURE	ault condition is removed					
	WORKING TEMP.	Tcase=-40 ~ +85°C (Please	e refer to " OUTPUT LOAD vs	s TEMPERATURE" section)			
	MAX. CASE TEMP.	Tcase=+85°C					
	WORKING HUMIDITY	20 ~ 95% RH non-condensing					
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH					
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)					
	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes					
	SAFETY STANDARDS Note.5	independent, EAC TP TC 00	22.2 No. 250.13-12; ENEC BS 04,GB19510.1,GB19510.14 a ndix J suitable for emergency	pproved; Design refer to BS E			
	KNX STANDARDS	Certified protocol					
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P: 3.75KVAC					
EMC	ISOLATION RESISTANCE	I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH					
	EMC EMISSION Note.6	Compliance to BS EN/EN55015, BS EN/EN61000-3-2 Class C (@load≧60%); BS EN/EN61000-3-3, GB17743 and GB17625.1,EAC TP TC 020					
	EMC IMMUNITY	Compliance to BS EN/ENG Line-Line 2KV),EAC TP To	61000-4-2,3,4,5,6,8,11; BS C 020	EN/EN61547, light industry	level (surge immunity,		
	MTBF	1658.9 K hrs min. Telcon	rdia SR-332 (Bellcore); 170	.0K hrs min. MIL-HDBK-2	217F (25°C)		
OTHERS	DIMENSION	195*68*39.5mm (L*W*H)					
	PACKING	1.03Kg; 12pcs/13.4Kg/0.71	CUFT				
NOTE	Length of set up time is meas De-rating may be needed und The driver is considered as a by the complete installation, This series meets the typical Please refer to the warranty s The ambient temperature der For any application note and https://www.meanwell.com/U 9. It is not recommended to con To fulfill requirements of the switch without permanently.	ured at first cold start. Turning of fer low input voltages. Please re component that will be operated the final equipment manufacture life expectancy of >50,000 hours tatement on MEAN WELL's wet ating of 3.5°C/1000m with fanies IP water proof function installating load/PDF/LED_EN.pdf nect to capacitive loads latest ErP regulation for lighting connected to the mains.	DVAC input, rated current and 25 DNOFF the driver may lead to in fer to "STATIC CHARACTERIST of in combination with final equipmers must re-qualify EMC Directive so of operation when Tcase, particustion and the statement of the	crease of the set up time. "IC" sections for details. nent. Since EMC performance w. on the complete installation agi- cularly (ib) point (or TMP, per DL of the thick of the performance w. can only be used behind a	ain. C), is about 75°C or less.		

■ DIMMING OPERATION



$\ensuremath{\mathbb{X}}$ Dimming principle for PWM style output

• Dimming is achieved by varying the duty cycle of the output current.



* KNXInterface

 $\boldsymbol{\cdot}$ Apply KNX signal between KNX+ and KNX-.

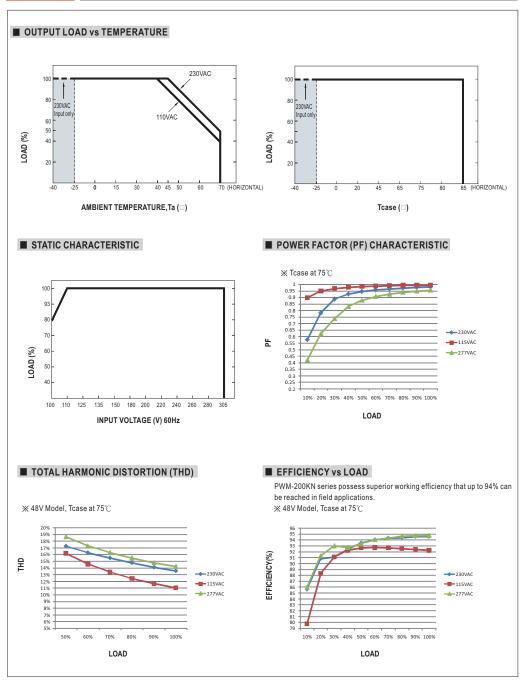
The application program(database) can be downloaded via Online Catalogs from ETS or via http://www.meanwell.com/productCatalog.aspx

Parametrization options	Description Turn on brightness Dimming speed for turn on/off Switch telegram and status Switch on/off delay				
Switch functions					
Dimming	Dimming speed for 0~100% Allow switch on via relative dimming				
Brightness value	Dimming speed for transition brightness values Permit set switch on and off brightness via value Brightness value and status				

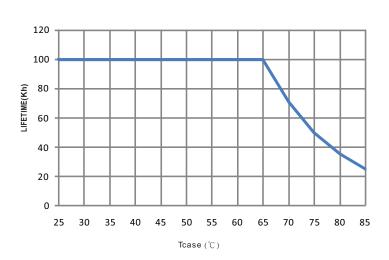
More parameters can be found in the ETS application databass and instruction manual $\,$

The device is equipped with KNX Data Secure. KNX Data Secure offers protection against manipulation in building automation and can be configured in the ETS project. Detailed specialist knowledge is required. A device certificate, which is attached to the device, is required for the first configuration. After configuration and ready for runtime (daily) operation, it is recommended to remove the certificate from the device and to store it securely. For details, please refer to the instruction manual.

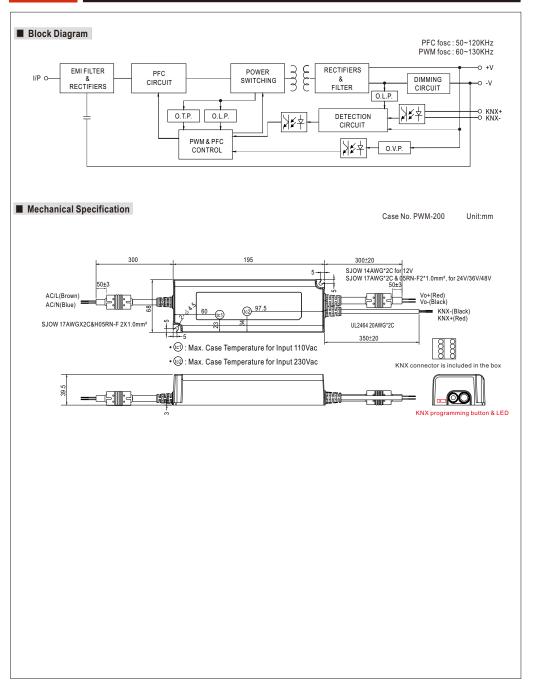


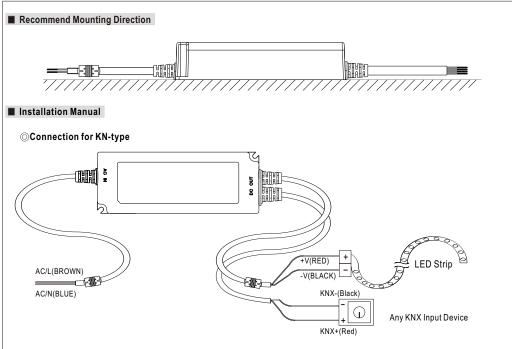






PWM-200KN series





©Cautions

- Before commencing any installation or maintenance work, please disconnect the power supply from the utility. Ensure that it cannot be re-connected inadvertently!
- Keep proper ventilation around the unit and do not stack any object on it. Also a 10-15 cm clearance must be kept when the adjacent device is a heat source.
- · Mounting orientations other than standard orientation or operate under high ambient temperature may increase the internal component temperature and will require a de-rating in output current.
- · Current rating of an approved primary /secondary cable should be greater than or equal to that of the unit. Please refer to its specification.
- For LED drivers with waterproof connectors, verify that the linkage between the unit and the lighting fixture is tight so that water cannot intrude into the system.
- Tc max. is identified on the product label. Please make sure that temperature of Tc point will not exceed limit.
- DO NOT connect "KNX- to -V".
- The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.