TITLE	SPECIFICA	ATION			P	AGE	1 / 4	
1. Rat	ings							
OI								
	JTPUT contact side isted to UL		Listed to	CSA				
L		eneral use			Genera	al use		
	2400 W 120 V ac :T			W 120 V ac :				
		tandard Ballast			_	ırd Ballas	t	
		(Electric discharge lamps)	2011 .				arge lamps)	
			1/2HP	at 110-125 V			_	
	1/2HP at 110-125 V ac 1-1/2HP at 220-277 V	ac single phase		IP at 220-277 V		single	r starting , phase	
	Short circuit rating : 5,0							
			41					
		cuit Capable of Delivering, Not 1 Amperes, 277 Volts Maximum.	more than	L				
	5,000 illis Symmetrical	Amperes, 277 voits Maximum.		《Electric curre	nt was	reform »		
	INPUT side	350 mA 24 V dc Reversible Polar	ity	^	\wedge			
				ON —\	_	OFF_		
2. Ele	ctrical switching perform	nance		8				
Sw	vitching speed 20 times/	minute. 30,000 cycles.(60,000 ope	rations.)					
3. Me	chanical switching perfo	ormance						
Sv	Switching speed 20 times/minute. 300,000 cycles.(600,000 operations.)							
4. Ins	ulation resistance							
		OUTPUT(OFF condition). TPUT and terminals of INPUT.		}		than 10 N g 500 V n		
5. Die	5. Dielectric strength							
Re	tween terminals of diffe	erent note OUTPUT		7				
	Between terminals of different pole OUTPUT. Between terminals of each OUTPUT (OFF condition). 1960 V ac No abnormality after 1 minute							
	Between live parts and non-live metal parts.							
	2500 V ac No abnormality							
	Between terminals of OUTPUT and INPUT. after 1 minute							
Ве	Between terminals of INPUT and non-live metal parts.			after	ac No at minute	onormality		
6. IN	PUT voltage	18 V ~ 30 V dc Re	eversible l	Polarity				
7. Ap	propriate terminal screw	tightening torque						
	UTPUT terminal	1.24 N•m ~ 1.53 l	N•m					
IN	PUT terminal	$0.68 \text{N} \cdot \text{m} \sim 0.9 \text{N}$	I•m					
8. Ap	propriate wire	*						
O	UTPUT terminal	AWG#12 to #14 co	pper wire	only				
IN	PUT terminal	AWG#16 to #20 co used in case of applying multiple v	pper wire	only	al.			
9. Temperature rise								
In	In contact section before and after switching test 65 °C max (thermocouple method)							
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SPECIFICATION

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10. Ambient operating temperature range

- 11. 480V 20A HID Relay should be used for One-Shot Remote Control System and FULL 2-WAY Remote Control System.
- 12. Possible wiring distance (Between transformer and switch, selector switch)

Wire used	0.5 mm ² or	0.75 mm ² or	0.9 mm ² or	1.25 mm ² or
For each switch	0.8 mm dia	1.0 mm dia	1.2 mm dia	1.4 mm dia (AWG 16)
each switch	(AWG 20)	(AWG 18)	(AWG 17)	(AWG 10)
20A HID Relay, 1 UNIT	400 m	600 m	720 m	1000 m
20A HID Relay, 2 UNIT	300 m	450 m	540 m	750 m
20A HID Relay, 3 UNIT	200 m	300 m	360 m	500 m
20A HID Relay, 4 UNIT	100 m	150 m	180 m	250 m

- 13. Changeability with selector switch
 - •Number of selector switches to activate one 20A HID Relay from multiple locations.

One-Shot remote control (selector)	FULL 2-WAY remote control		
switch	switch		
6 places	without Limit		

•A number of 20A HID Relay can be activated by one selector switch.

control (selector) switch	remote control switch
4 pcs.	4 pcs.

14. How to mount 20A HID Relay

Use Mounting Strap WR9910-8(Sold Separately) for Panel Use.

15. Caution

- 15-1 As the INPUT terminal has polarity, wiring should be connected with the same colored terminal of a transformer or a switch.
- 15-2 No changeability or other company's remote control products.

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16. Safety Cautions on Design and Use

This unit must be used in accordance with the requirements stated below and all other operating procedures. Panasonic Corporation assumes no responsibility for any damage or loss caused by misuse of this unit.

- 16-1 When using this product, observe the following conditions:
 - (1) This product has been developed only for lighting control.

Do not use it for any security purpose (security against theft, accident prevention, etc.).

If the product is to be used for any purpose where security is important:

- Employ a backup system.
- •Use a protective device or circuit to improve overall system safety.
- •To ensure user safety, affix a warning label on any system that incorporates this product.
- 16-2 The prohibition matter on use:
 - (1) Please do not use it at outdoors.

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It becomes a defect of operation and the cause of failure.

(2) Please do not install in the place of heat and high humidity.

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It becomes a defect of operation and the cause of failure.

(3) Please do not use this remote control relay for the remote control system of the other company.

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It becomes a defect of operation and the cause of failure.

- 16-3 The prohibition matter on a design:
 - (1) It is not operate by the load more than rating.

(Please check about HID and an inverter in the number table of lights of these specifications.)

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It becomes the cause of breakage by unusual generation of heat.

- 16-4 The prohibition matter on construction:
 - (1) Please do not use other than the appointed application electric wire at the line to connect.

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It becomes the cause of the short circuit by the omission of an electric wire, and breakage by unusual generation of heat.

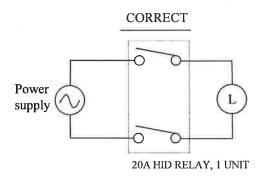
(2) Please do not connect an electric wire of a different kind to a screw terminal.

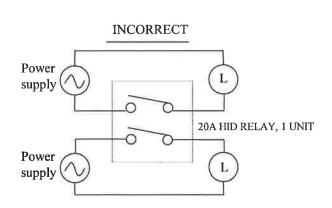
(When it is necessary to connect, always use an application pressure arrival terminal)

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It becomes the cause of the short circuit by the omission of an electric wire, and breakage by unusual generation of heat.

16-5 Double pole use only.





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17.Quality guarantee

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17-1 Period of guarantee

• The warranty of this product is one year from the purchasing day.

17-2 Contents of guarantee

• Free repair service is assured in case of breakdown during the period of guarantee when used properly according to the specification and instruction labeled on the products.

17-3 Escape clause of guarantee

- In case of the following, payment will occur in principle.
- (1) Breakdown or damage doe to misusage and injustice repair or reconstruction.
- (2) Breakdown or damage doe to transfer or installation, transportation, and fall down after purchase.
- (3) Breakdown or damage due to fire, earthquake, flood, thunderbolt and other calamity; pollution, damage by sea air, gas pollution (sulfration), abnormal voltage, and usage of other undesignated power source (voltage, frequency).
- (4) Breakdown or damage due to loading on vehicles and vessels.
- (5) Breakdown or inconvenience originated to deficiency in installation.
- (6) Breakdown or damage due to not performing the examination demanded in the law or installation.

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