



## SPECIFICATION FOR APPROVAL

**Customer Name:**

**Customer P/N:**

**Product Name: Electronic ballast for UV-Lamps**

**Model NO.: RSO2-AL-2x400D**

**Supplire P/N:**

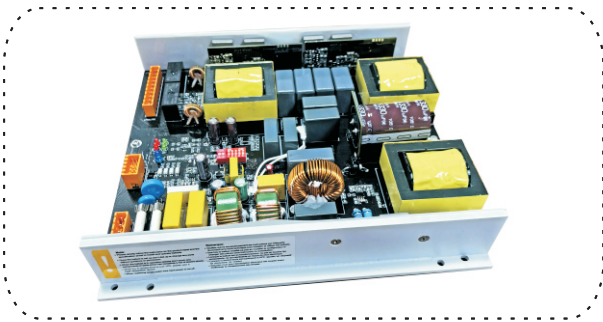
**Rev: A1.0**

**Date: 2024-10-11**

<b>Approved by Yue Jia</b>		
Checked	Rechecked	Approved

Please send the original back to us after you have approved and signed.

<b>Approved by customer</b>		
Comments	Approved	Company's seal
Customeris Name:		



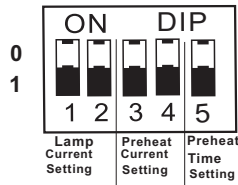
- Shell material Aluminum
- Europe type terminal structure
- Green and red led indicate operating status
- Potential free relay contact on/off out
- Must cut off the power before installation and replacement ballast
- Diameter of wire 0.5~1.0mm<sup>2</sup>, Wire stripping 8~10mm
- No moer than 5 meters distance between the ballast and lamp
- Ballasts case must be grounded



Technical – Electrical Data	Conditions	Min	Nom	Max	Unit	
Voltage Range		220	230	277	Vac	
Input Frequency			50/60		Hz	
Input Current				3.74@230V	A	
Input Power		480		840	W	
Power Factor	Full Load		>0.98		PF	
Output Frequency				>25	Khz	
Crest Factor				<1.7		
Current THD				<10%	typ	
Preheat Time	Optional	12		20	S	
Preheat Current	Optional	2.5	3.0	3.5	4.0	A
Output Current	Optional	3.0	3.3	3.8	3.8	A
Efficiency	Full Load			95	%	
Lamp Power		2*230		2*400	W	
Lamp Tyep		230W/3.0A	260W/3.3A	335W/3.8A	400W/3.8A	
Power Dimming Range		60~100% Power at 10~20mA				
Current Dimming		4~20 ma				
Photocouler Switch		Vmax.32V/AC,50V/DC,I <sub>max</sub> .5mA				
Status Indication		Green, red and yellow LED				
Protections		Open / Fault				
Technical – Temperatures						
Maximum operating temperature at the Tc				+ 70	°C	
Ambient temperature range Ta		-25		+ 50	°C	
Relative Humidity		5		85	%	
Normen und Approval						
Safety Norm		EN61347-1-2-3, EN62493				
LVD Norm		Low voltage Directive 2014/35/EU				
EMC Norm		EN55015, EN55014, GB17743, GB17625, EN61000-3-2				
Certifications		CE RoHS				
Safety and Protection						
Protection		Overload Protection Lamp Air Leakage Protection Over Heat Protection Protection Against Moisture				
Isolation Class		Class I				
Isolation Voltage		1.5KV AC / 5mA / 5s				
Protection Class		IP20				
Warranty period		2 years				
Packaging units						
Packaging units Pieces/ Unit		Shipping carton box (40pcs/CTN)				
Dimensions in L x W x H		33.5cm x 23.0cm x 19.5cm				
Gross weight		11.35kg				
Volume		*****CBM.				



## DIP-Switch Settings

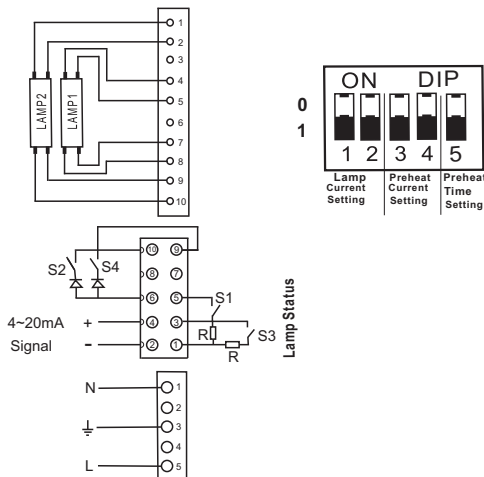


DIP-Switch Settings	Lamp Current		Preheat Current		Preheat Time	
		00=3.0A Max:2*400W		00=2.5A		0=12S
		01=3.3A Max:2*260W		01=3.0A		
		10=3.8A Max:2*335W		10=3.5A		1=20S
		11=3.8A Max:2*400W		11=4.0A		

## Recommended DIP-switch Settings

DIP-Switch Settings	Lamp Current DIP Position	Preheat Current DIP Position	Preheat Time DIP Position	Lamp Power DIP Position	Lamp Type
	00=3.0A	01=3.0A	0=12S	Max.2*230W	2*230W/3.0A
	01=3.3A	10=3.5A	1=20S	Max.2*260W	2*260W/3.3A
	10=3.8A	10=3.5A	1=20S	Max.2*335W	2*335W/3.8A
	11=3.8A	11=4.0A	1=20S	Max.2*400W	2*400W/3.8A

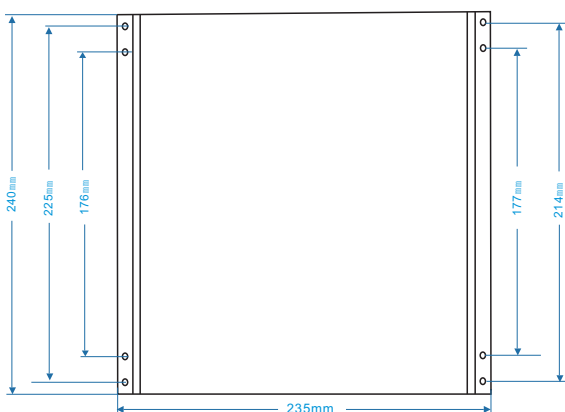
## Wiring Diagram



## Features & Functions

- Preheat Start
- Lamp Open Protection
- Lamp Fault Protection
- Limiting Current and Power
- Status Indication:
  - Green, red and yellow LED indicate operation status
- 4~20mA Dimming Interface:
  - 60~100% Power at 4~20mA
- Lamp status(Lamp on or Lamp fault) indication via photocouler
  - S1 or S2: on=Lamp 1 on, S1 or S2: off=Lamp 1 fault
  - S3 or S4: on=Lamp 2 on, S3 or S4: off=Lamp 2 fault

## Technical - Geometries



**ELECTRONIC BALLAST FOR UV LAMPS**  
**RS02-AL-2\*400D**

**220-240V 50/60Hz**  
**Max.Current**  
**3.74A@230V**

U-OUT: 350V PF (A): >0.98  
 Ta: -15~40°C TcMax: 70°C  
 Class F High POWER Factor

Remote controlled operation via Current (4-20mA)  
 Dimming range 60%-100% of lamp power.

DIP-Switch Settings	Lamp Current	Preheat Current	Preheat Time
	00=3.0A Max:2*400W	00=2.5A	0=12S
	01=3.3A Max:2*260W	01=3.0A	
	10=3.8A Max:2*335W	10=3.5A	
	11=3.8A Max:2*400W	11=4.0A	1=20S

