



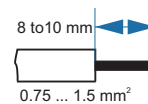
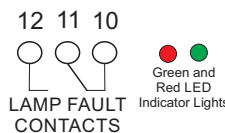
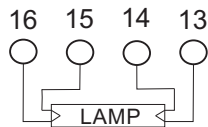
**ultra violet products**  
(aust) pty ltd

# Electronic Ballasts for the Amalgam Ultra Violet Lamps

The UVP range of electronic ballasts have being specifically designed to operate our range of Standard, High Output and Amalgam, Low-Pressure Mercury Vapour Lamps, driving them at their optimum performance, but will also run any other brands of low-pressure mercury vapour lamps given their operating characteristics match that of the appropriate UVP electronic ballast. Because these electronic ballasts operate at High Frequency, (Up to 50 KHz, as opposed to the electrical mains supply of 50 Hz) the length of electrical cable from the electronic ballast to the Ultra Violet Lamp **MUST** be no more than 30 m for the Standard range of UV lamps, and 15 m for the Amalgam range of UV lamps. When installing the electronic ballast(s), they **MUST** be mounted upright with the mains terminals at the bottom, and be at least 100 mm apart, in all directions, to allow for the required cooling effects as the electronic ballasts emit heat through the case. Therefore, unless there is sufficient means for cooling, the electronic ballast(s) cannot be installed in airtight enclosures. **The Electronic Ballast's Case MUST be correctly Earthed.** The electronic ballasts are guaranteed against faulty parts and/or workmanship for a period of 2-years from the date of delivery.

## Important Safety Notice:

Risk of Electric Shock! Potentially Lethal high voltages occur inside the electronic ballast and at the ballast terminals. Please refer to the safety rules in the UVP Installation and Operation Instructions sheet.



## UVP-3500/5700-500-A90 Electronic Ballast for the High Output Range of Amalgam Lamps

For Pre-Heat Amalgam Lamps

Input Voltage:	240V 50Hz	Lamp Power:	250 - 500W
Input Current:	Max 2.80A	Lamp Current:	3.5 - 5.7A

### DIP Switch Settings

Running Current	Wattage	Example Lamp Types	Settings
3.5 to 3.8	250 to 350	G60T32N A90 SE4P	
4.6 to 5.0	320 to 400	G60T32N A90 SE4P HO	
5.3 to 5.7	400 to 500	G60T38N A90 SE4P	

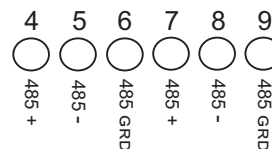


Ambient Temperature: -15 to 40°C  
Disconnect the Incoming 230 - 240V Power Supply before  
Installing or Servicing this Ballast  $t_c = \text{max } 70^\circ\text{C}$

**Ballast Case MUST be Earthed**



DIP Switch Setting - No. 8  
For Remote Control Set to 0  
For Local Control Set to 1



The UVP electronic ballasts have been designed with the capability of running either Pre-Heat, Bi-pin lamps, (whether they be two pins at each end, or four pins at one end) or Instant Start, single pin lamps. (whether they be single pin at each end, or two pins at one end) The wiring configuration is shown in the wiring diagram below. Due to the High In-Rush Current, the mains electrical wiring cable to the electronic ballast should have a cross-sectional area greater than 0.75 mm<sup>2</sup> to 1.5 mm<sup>2</sup>.

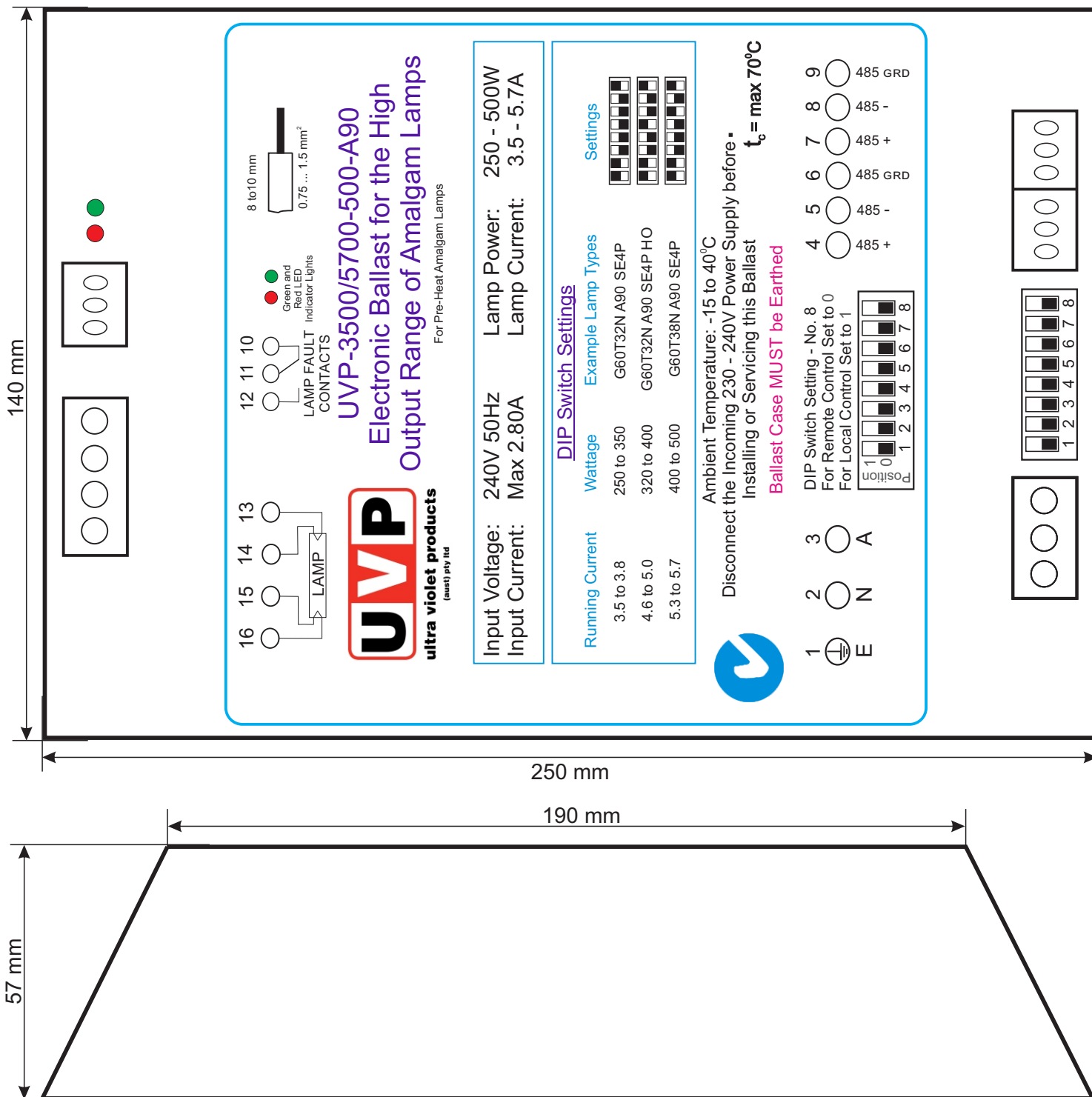
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**UVP**  
ultra violet products  
(aust) pty ltd

**UVP-3500/5700-500-A90**  
Electronic Ballast for the High  
Output Range of Amalgam Lamps  
For Pre-Heat Amalgam Lamps

16 15 14 13  
LAMP

12 11 10  
LAMP FAULT CONTACTS

Green and Red LED Indicator Lights

8 to 10 mm  
0.75 ... 1.5 mm<sup>2</sup>

Input Voltage: 240V 50Hz  
Input Current: Max 2.80A

Lamp Power: 250 - 500W  
Lamp Current: 3.5 - 5.7A

**DIP Switch Settings**

Running Current	Wattage	Example Lamp Types	Settings
3.5 to 3.8	250 to 350	G60T32N A90 SE4P	
4.6 to 5.0	320 to 400	G60T32N A90 SE4P HO	
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Ambient Temperature: -15 to 40°C  
Disconnect the Incoming 230 - 240V Power Supply before installing or Servicing this Ballast  
**Ballast Case MUST be Earthed**  
t<sub>c</sub> = max 70°C

1 E  
2 N  
3 A

DIP Switch Setting - No. 8  
For Remote Control Set to 0  
For Local Control Set to 1

Position  
1 2 3 4 5 6 7 8

4 5 6 7 8 9  
485 -  
485 +  
485 GRD  
485 -  
485 +  
485 GRD

