



# Infrared heater controllers

Get the best from  
infrared heaters



Victory lighting infrared heaters can be used in a variety of applications and are highly versatile – even more so when used in conjunction with a controller.

A controller can be used to vary heat output, or time the period of use, making the heater as environmentally-friendly as possible, and saving energy cost.

These low cost, compact units are easy to install and need minimum maintenance.



### HLVR2 controller

- Fully adjustable power setting
- High reliability triac used
- CE EMC compliant
- UL approved
- Suitable for appliances up to 3kW at 220-240V
- Integral ON/OFF switch

Fully adjustable from 0-100%, the HLVR2 will help ensure a comfortable temperature is always achieved whilst also saving on wasted energy and costs. It can be used in both indoor and outdoor applications and can control multiple heaters simultaneously. It is robust, user friendly, and easy to install.



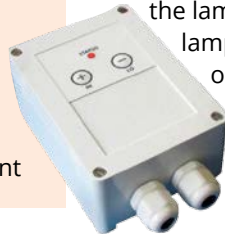
The HLVR2 can also be used for any devices up to 3kW total.



### HLWDIM controller

- LED shows status
- Stepped power setting
- High reliability triac used
- CE & EMC compliant
- Suitable for up to 1.5kW infra red heater
- Waterproof (IP55)

The HLWDIM incorporates a soft-start function to eliminate the lamp's high inrush current — potentially increasing lamp life by as much as 30% and reducing the stress on the mains supply.



Output levels are selected by up & down push buttons with a high intensity LED indicating when the controller is giving output to the heater.



### VLRC2 controller

- IP65 - suitable for outdoor use
- ON/OFF, and 4-stage dimming
- 20 metre remote range
- Suitable for up to 2kW infra red heater
- Remote control operation
- Can be used indoors and outdoors

The VLRC2 is a remotely controlled on/off switch with a four-stage stepped dimming function operated by a small hand-held remote control fob.

The remote control has a range of 20 meters (depending on local environmental conditions).



### HLPSS4 soft-start controller

- Extends lamp life and saves energy
- Soft-start/zero-voltage switch-off
- Suitable for multiple heaters
- Low-cost
- Easy to install

The HLPSS4 4kW controller provides energy saving when used with infrared heaters and also prolongs the lamps' life. It does this by soft-starting the load when power is first applied to the heater(s).

The microcontroller-based unit incorporates zero-voltage switching and its soft-start function eliminates lamps' initial high inrush current – potentially increasing lamp life by as much as 30%. It can be used with multiple heaters.





### HLOPIR3 PIR controller

- 12m detection range with 200° area detection
- Suitable for up to 3kW infra red heaters
- Head twists up or down
- IP55 weatherproof rating
- Adjustable heat ON\* time 5 secs – 18 mins
- Manual ON/OFF override
- Hinged back box for ease of wiring
- Adjustable light level control

The HLOPIR3 utilises passive infrared technology to detect heat radiation of moving human bodies. Upon detection, the attached heating load will activate for a user-determined time period. This product is suitable for wall or ceiling mounting.



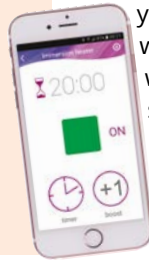
\* (We recommend a minimum time of two minutes to prolong the life of the infra red lamp.)



### VLFS-3 WiFi fused spur

- Available for Android and iOS
- Can reduce running costs if unwanted programmes are cancelled
- 13A suitable for 3kW
- Supports multiple devices and users
- Auto, permanent ON, permanent OFF and holiday modes
- Optional 1 and 2 hour boost
- IP66 weatherproof version available
- Manual override

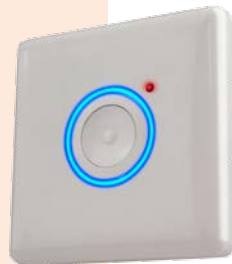
Ideal for switching lighting and electrical heaters with a Weathersafe IP66 version VLFS-3IP for outdoor uses. Programme settings are all activated via your mobile device, giving you access to control your installation at any time, no matter where you are. Total 13A 3kW control with confirmation of settings and switching status of the connected appliance via the on-screen app.



### VLTIM4 outdoor timer

- Easy to fit
- Instant on/off - no delay
- IP66 - use in wet conditions
- Loads up to 16A - can control multiple heaters (ie up to 3680W @ 230V)
- Supplied with dedicated surface mounting waterproof back box

This high quality, attractive timer switch can be used for timed operation of infrared heaters and other appliances in outdoor environments. It is Ideal for use in smoking areas, outdoor seating, gardens and patios.



Featuring a backlit blue neon indicator ring to aid location in the dark, these intelligent units have the ability to latch back on to the mains power supply and reset in the event of a power cut.



### HLOTIM3 timer

- Suitable for up to 6kW infra red heaters at 220-240v supply
- Electronic soft start-extends lamp life
- Tamper proof push button
- Fully adjustable time delay
- No retriggering of switch
- Red LED indicator when active
- Waterproof (IP55 rated)

The soft start feature of the HLOTIM3 helps to prolong the life of infrared lamps and reduces stress on the mains supply.

Users can instantly switch on heaters, and the electronic timer will switch off the equipment after a pre-set delay. A single controller can control up to four 1.5kW, three 2kW, or one 6kW heater(s). It can easily be retrofitted to existing equipment. The switch is tamper proof to prevent abuse and cannot be re-activated until the timer has turned off.



### VLPTD timer

- 0-99 minute countdown timer
- LED shows time remaining in minutes
- Suitable for up to 2kW
- Can control 1 or 2 heaters

The VLPTD is a 0-99 minute digital countdown timer with built-in start/stop. Time is set by two buttons in steps of 1 or 10 minutes.

The VLPTD is primarily for use with Victory small paint driers and is mounted onto the HLP5 paint dryer stand. It is supplied with a 3m supply cable and fitted with a 13A UK plug. The VLPTD-E version is fitted with 16A EU Plug.



# Technical data



Power controller



WiFi fused spur



PIR power controller



Timer

	HLVR2	HLWDIM	VLRC2
Supply voltage	200 – 264V 50/60Hz	230V ±10%, 50Hz	220 – 240V 50/60Hz
Max current rating	15A	6.5A @ 25°C ambient	9A @ 25°C ambient
Peak surge current	240A		
Min holding load current	30mA	30mA	
Operating temperature		-20°C – +50°C	-20°C – +40°C
Dimensions	86 x 146 x 47mm 68mm inc. knob	95 x 130 x 55mm	120 x 80 x 55mm
Weight	0.55 kg	0.5kg	0.6kg
Protection rating		IP55	IP65
Notes	Must be mounted proud of a wall and not recessed into a cavity.	Supplied with: 2 x cable gland Wall mounting screws	Supplied with: 2 x cable glands Mounting bracket accessory Hand held remote  Dimming stages: Step 1 40% / Step 2 70% Step 3 78% / Step 4 Full

	HLPSS4	VLFS-3 / VLFS-3IP	HLOPIR3
Supply voltage	230V +/- 10% 50 Hz	230V AC 50 Hz	230V
Switching capacity	4kW max.	13A Resistive (3kW)	3kW max.
Supply fusing	20LCT or MCB20A (1 pole, 440V)	BS1362 13A Fuse	
Current consumption	50mA		
Terminals	2.5mm <sup>2</sup> rising clamp		
Operating temperature	-20 – +40°C	0°C – +40°C	
Dimensions	100 x 100 x 60mm	85 x 85 x 44mm	87 x 73 x 121 mm
Weight	0.34kg		0.2kg
Protection rating	IP65	VLFS-3: indoor only VLFS-3IP: IP66	
Notes		WiFi 2.4GHz b/g/n Manual override	Detection range 12m Detection angle 200° Lamp on time 5 sec. – 18 mins.

	VLTIM4	HLOTIM3	VLPTD
Supply voltage	240v AC 50Hz	220 – 240V AC 50Hz	220 – 240V AC 50Hz
Max current rating	16A for all general load types	25A @ 230v AC	9A @25°C
Delay time range	2 minutes – 2 hours	5 – 70 minutes	
Dimensions	Faceplate: 85 x 85 x 9mm Backbox : 75 x 75 x 60mm (excl. cable glands)	110 x 168 x 80mm	260 x 150 x 100mm
Weight	0.2kg	0.375kg	1.1kg
Protection rating	IP66 (provided the correct IP66 rated connections are made).		
Notes	Can also be used to switch contactors if a capacitor (PFCC-1) is fitted across the coil. Supplied with backbox, seals and mounting screws.		Fitted with twin IEC mains sockets and 1 x IEC cable with plug. Mounts on HLPSS stand.

## VICTORY

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