

Ventronic Dimmable HID Control Gear

Ballasts

Ventronic



28



Ventronic Dimmable HID Control Gear

Introducing Ventronic from Venture Lighting, one of the world's leading names in advanced lighting design and technology.

With the Ventronic solution, you can determine the light levels you require at any given time, either manually, automatically through the use of light meters or by programmable options.

Saves money by making use of ambient light

With conventional control gear the light is either ON or OFF. You burn full power - even when you don't need it. However, using Ventronic, the lights can be dimmed when it's bright outside, and only revert to a higher power when necessary. Ventronic can also be linked to a PIR sensor to produce more light when a particular area is occupied.

'Daylight Harvesting', as this technique is referred to, is an excellent way of saving energy costs and extending the life of the lamp without compromising on light levels. As it takes into consideration and therefore makes use of natural ambient light, it can also make a very positive contribution to a company's environmental policies.



Ventronic Dimmable HID Control Gear

Only Ventronic Offers You all These Benefits

- Significantly increased lumen maintenance
- Vastly improved lamp life
- Superior light quality
- Exceptional energy savings
- Dimming
- Daylight harvesting
- Economy mode
- High efficiency
- Soft start ignition technology
- No start - up current
- Controllability
- Simple installation with reduced costs
- Reduced maintenance
- Built-in diagnostics
- High reliability
- High Power Factor
- Thermal Protection with auto reset
- ENEC and VDE approved
- No ignitor required
- No capacitor required
- Ballast operates upto approximately 30 meters from lamp - 3000pF max.

Ventronic Models Currently Available

Ventronic is available in the following wattages suitable to operate both HPS and Venture Metal Halide Pulse Start Lamps, 150W, 200W, 250W, 320W, 350W, 400W, 450W and 600W.



Ordering Information

As standard, Ventronic is supplied with internal dimming control switches. A communication or control option can be ordered separately.

- SEEP module
- RS485 interface
- Wireless communication

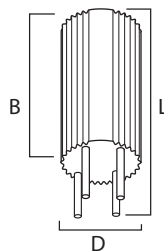


Ventronic POD



- Thermally designed convective case.
- Complies with relevant sections of EN 61347-1.
- Fully EMC compliant.
- Can be customised to suit OEM requirements.

fig 39



Ventronic High Frequency Electronic Dimmable Control Gear For HPS and Venture MH Pulse Start lamps

Lamp (W)	(A)	Ballast Code	Input Voltage (V)	Circuit Watts (W)	Running Current (A)	Max Case Temp (tc)	Dimensions (Dia x L B/Fix) (mm)	Weight (kg)	Fig	Circuit Diagram	Lamp Types
200	1.6	VTP200255	185-254	216	0.9	90	132x332 212 /55 x 90 x M5	1.9	39	W1	Venture Pulse Start and HPS Lamps
250	2.1/3.0	VTP250255	185-254	270	1.13	90	132x332 212 /55 x 90 x M5	1.9	39	W1	Venture Pulse Start and HPS Lamps
320	2.63	VTP320255	185-254	346	1.3	90	132x332 212 /55 x 90 x M5	2.4	39	W1	Venture Pulse Start and HPS Lamps
350	2.8	VTP350255	185-254	378	1.6	90	132x332 212 /55 x 90 x M5	2.4	39	W1	Venture Pulse Start and HPS Lamps
400	3.2/4.5	VTP400255	185-254	432	1.8	90	132x332 212 /55 x 90 x M5	2.4	39	W1	Venture Pulse Start and HPS Lamps
450	3.7	VTP450255	185-254	482	2.0	90	132x332 212 /55 x 90 x M5	2.4	39	W1	Venture Pulse Start and HPS Lamps
600	6.2	VTP600255	185-254	650	2.7	90	132x332 212 /55 x 90 x M5	2.6	39	W1	Venture Pulse Start and HPS Lamps

Ventronic Low Wattage



Only Ventronic Offers You all These Benefits

- Perfect partner for track spotlights
- Metal base and enclosure
- Ignition voltage <2,5kV
- ENEC approval
- 2.5mm² terminal block
- Available in 120V (on request - different dimensions)

- Fast start
- Compact and lightweight
- Microprocessor controlled
- Remote operation up to 25m
- Easy fixing
- Accepts 0.75mm² to 2.5mm² solid and stranded cable

- Operate stand-alone or
- Compatible with WiMAC⁸⁶⁸
- 3 Output Light Levels (50%, 75%, 100%) + Off
- Conformally coated for moisture resistance

- Can be dimmable to 50% power at midnight (or other factory preset time) and if still on after 6 hours, switches back to full power
- Operates from a photocell
- Energy saving
- Operates Ceramic Metal Halide, Quartz Metal Halide, HPS

Ventronic HID Control Gear

Ventronic Electronic Control Gear

Terminal Block Versions

Lamp (W)	(A)	Ballast Code	Input Voltage (V)	Circuit Watts (W)	Running Current (A)	Max Case Temp (tc)	Dimensions (LxWxH/Fix) (mm)	Weight (kg)	Fig	Circuit Diagram	Lamp Types
20	0.225	V20MSB255	185-254	24	0.1	80	116 x 76 x 32/100 x 64	0.23	31	V2	UNIFORM CMH, BritSpot
25	TBA	V25MSB255	185-254	29	0.12	80	116 x 76 x 32/100 x 64	0.23	31	V2	UNIFORM
35	0.5	V35MSB255	185-254	45	0.19	80	116 x 76 x 32/100 x 64	0.23	31	V2	UNIFORM CMH, CDM, HCI, ColorArc, BritSpot
50	0.76	V50MSB255	185-254	56	0.23	80	116 x 76 x 32/100 x 64	0.23	31	V2	UNIFORM CMH, CDM, HCI, ColorArc
70	1.0	V70MSB255	185-254	79	0.33	80	116 x 76 x 32/100 x 64	0.23	31	V2	UNIFORM CMH, CDM, HCI, ColorArc
100	1.1	V100SSB255	185-254	110	0.46	80	144 x 91 x 37/130 - 135 x 73 - 78	0.425	31	V2	UNIFORM CMH, CDM, HCI, SON, ColorArc
150	1.8	V150SSB255	185-254	161	0.67	80	144 x 91 x 37/130 - 135 x 73 - 78	0.425	31	V2	UNIFORM CMH, CDM, HCI, SON, ColorArc

Ventronic Electronic Control Gear

Cable Clamp Versions

Lamp (W)	(A)	Ballast Code	Input Voltage (V)	Circuit Watts (W)	Running Current (A)	Max Case Temp (tc)	Dimensions (LxWxH/Fix) (mm)	Weight (kg)	Fig	Circuit Diagram	Lamp Types
20	0.225	V20MSC255	185-254	24	0.1	80	116 x 76 x 32/100 x 64	0.23	33	V2	CMH
25	TBA	V25MSC255	185-254	29	0.12	80	116 x 76 x 32/100 x 64	0.23	33	V2	UNIFORM
35	0.54	V35MSC255	185-254	45	0.19	80	116 x 76 x 32/100 x 64	0.23	33	V2	UNIFORM CMH, CDM, HCI, ColorArc
50	0.76	V50MSC255	185-254	56	0.23	80	116 x 76 x 32/100 x 64	0.23	33	V2	UNIFORM CMH, CDM, HCI, ColorArc
70	1.0	V70MSC255	185-254	79	0.33	80	116 x 76 x 32/100 x 64	0.23	33	V2	UNIFORM CMH, CDM, HCI, ColorArc
100	1.1	V100SSC255	185-254	110	0.46	80	171 x 91 x 37/147	0.425	33	V2	UNIFORM CMH, CDM, HCI, SON, ColorArc
150	1.8	V150SSC255	185-254	161	0.67	80	171 x 91 x 37/147	0.425	33	V2	UNIFORM CMH, CDM, HCI, SON, ColorArc

Ventronic Electronic Control Gear WiMAC⁸⁶⁸ Enabled

Terminal Block Versions

Lamp (W)	(A)	Ballast Code	Input Voltage (V)	Circuit Watts (W)	Running Current (A)	Max Case Temp (tc)	Dimensions (LxWxH/Fix) (mm)	Weight (kg)	Fig	Circuit Diagram	Lamp Types
70	1.0	V70SSB255-WiMAC	185-254	79	0.33	80	144 x 91 x 37/130 - 135	0.23	32	U2	UNIFORM CMH, CDM, HCI, SON, SDW-T, ColorArc
100	1.1	V100SSB255-WiMAC	185-254	110	0.46	80	144 x 91 x 37/130 - 135	0.425	32	U2	UNIFORM CMH, CDM, HCI, SON, SDW-T, ColorArc
150	1.8	V150SSB255-WiMAC	185-254	161	0.67	80	144 x 91 x 37/130 - 135	0.425	32	U2	UNIFORM CMH, CDM, HCI, SON, SDW-T, ColorArc

Ventronic Electronic Dimmable Control Gear Part Night

Terminal Block Versions

Lamp (W)	(A)	Ballast Code	Input Voltage (V)	Circuit Watts (W)	Running Current (A)	Max Case Temp (tc)	Dimensions (LxWxH/Fix) (mm)	Weight (kg)	Fig	Circuit Diagram	Lamp Types
70	1.0	V70SSB255-PN	185-254	79	0.33	80	144 x 91 x 37/130 - 135	0.23	31	V2	UNIFORM CMH, CDM, HCI, SON, SDW-T, ColorArc
100	1.1	V100SSB255-PN	185-254	110	0.46	80	144 x 91 x 37/130 - 135	0.425	31	V2	UNIFORM CMH, CDM, HCI, SON, SDW-T, ColorArc
150	1.8	V150SSB255-PN	185-254	161	0.67	80	144 x 91 x 37/130 - 135	0.425	31	V2	UNIFORM CMH, CDM, HCI, SON, SDW-T, ColorArc

Ventronic Electronic Dimmable Control Gear Switch Dimming

Terminal Block Versions

Lamp (W)	(A)	Ballast Code	Input Voltage (V)	Circuit Watts (W)	Running Current (A)	Max Case Temp (tc)	Dimensions (LxWxH/Fix) (mm)	Weight (kg)	Fig	Circuit Diagram	Lamp Types
70	1.0	V70SSB255-SD	185-254	79	0.33	80	144 x 91 x 37/130 - 135	0.23	31	W2	UNIFORM CMH, CDM, HCI, SON, SDW-T, ColorArc
100	1.1	V100SSB255-SD	185-254	110	0.46	80	144 x 91 x 37/130 - 135	0.425	31	W2	UNIFORM CMH, CDM, HCI, SON, SDW-T, ColorArc
150	1.8	V150SSB255-SD	185-254	161	0.67	80	144 x 91 x 37/130 - 135	0.425	31	W2	UNIFORM CMH, CDM, HCI, SON, SDW-T, ColorArc

Ventronic High Frequency Electronic Dimmable Control Gear For HPS and Venture MH UNIFORM Pulse Start lamps

Lamp (W)	(A)	Ballast Code	Input Voltage (V)	Circuit Watts (W)	Running Current (A)	Max Case Temp (tc)	Dimensions (LxWxH/Fix) (mm)	Weight (kg)	Fig	Circuit Diagram	Lamp Types
200	1.6	VTC200255	185-254	216	0.9	90	196 x 108 x 82/210	1.7	29	W1	Venture UNIFORM Pulse Start and HPS Lamps
250	2.1/3.0	VTC250255	185-254	270	1.13	90	196 x 108 x 82/210	1.7	29	W1	Venture UNIFORM Pulse Start and HPS Lamps
320	2.63	VTC320255	185-254	346	1.3	90	219 x 120 x 91/233	2.2	29	W1	Venture UNIFORM Pulse Start and HPS Lamps
350	2.8	VTC350255	185-254	378	1.6	90	219 x 120 x 91/233	2.2	29	W1	Venture UNIFORM Pulse Start and HPS Lamps
400	3.2/4.5	VTC400255	185-254	432	1.8	90	219 x 120 x 91/233	2.2	29	W1	Venture UNIFORM Pulse Start and HPS Lamps
450	3.7	VTC450255	185-254	482	2.0	90	219 x 120 x 91/233	2.2	29	W1	Venture UNIFORM Pulse Start and HPS Lamps
600	6.2	VTC600255	185-254	650	2.7	90	230 x 120 x 91/244	2.4	29	W1	Venture UNIFORM Pulse Start and HPS Lamps

fig 29

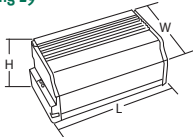


fig 31

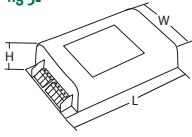


fig 32

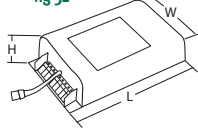
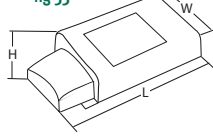


fig 33



For Ventronic POD details see page 31