



HIGH PRESSURE SODIUM

HPS CONTROL GEAR FOR EYE SUNLUX LAMPS

EYE Lighting has a range of High Pressure Sodium Control Gear products (IEC 60662) that are suitable for operating High Pressure Sodium & EYE Cera Arc EX lamps. Versions are available in Gear Tray, Cast Box and Sturdigear configurations.



High Pressure Sodium Control Gear for EYE Sunlux Lamps

Requirements

High Pressure Sodium (HPS) Control Gear for EYE Lighting Sunlux lamps consist of: a ballast (also called a “choke”), a capacitor to adjust the high power factor within acceptable parameters and an ignitor. Conforms to IEC 60662 performance specification.

Care must be taken to ensure that the control gear is matched correctly to match the lamp’s specific requirements.

Gear Tray - (GTS)

Gear Trays (GTS) are designed to be easily installed inside poles, walls, cabinets and other structures away from weather and other potential hazards.

Cast Box - (CB)

Cast Box (CB) types are IP65 rated and are fully enclosed in a cast aluminium casing allowing fitment in exterior locations that are exposed to the weather.

Sturdigear

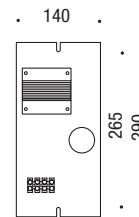
Sturdigear types are like Cast Boxes but with the added protection of anti-vibration features allowing fitment in more demanding industrial locations or situations.

CAUTION

Control gear is designed to match the characteristics of particular lamp types. The ballast (also called a “choke”) and ignitor requirements are different for each lamp types, and care is required to correctly match the supply voltage / choke / ignitor / lamp combination. Mis-matched lamp / gear combinations can cause short life, reduced light output, colour shift, cycling and overheating of the components.

Care must be exercised with the correct selection of cable between the output of the remote control gear and the lamp. The ignitor pulses required to start the lamp can be attenuated by the capacitance of the cable. Cable capacitance in most installations is between 70-100pF/m. It is good practice to locate the ignitor as close as possible to the lamp.

FIG. 1



(H) - Max. 95°

FIG. 4

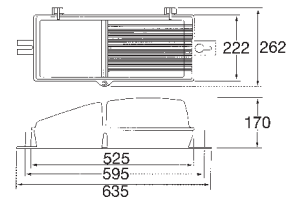
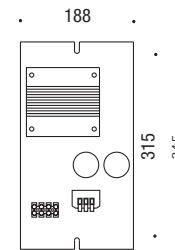


FIG. 2



(H) - Max. 145°

FIG. 5

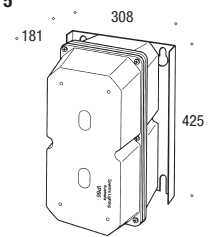


FIG. 3

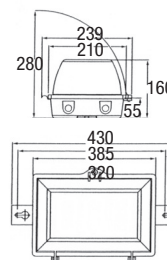
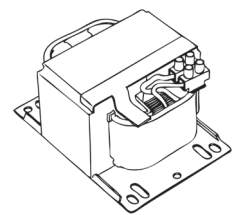


FIG. 6



*Specific dimensions available on request.

Product Range

	Code	Description	Input Volts (V)	Supply Current (at 0.9PF)		Lamp Values		Weight (kg)	Compatible Lamps	Fig
				Start Current	Run Current	Lamp Volts	Lamp Current			
50W	-	S50 GTS	240	0.37	0.30	80	0.76	-	CMT50/EX/U	1
70W	-	S70 GTS	240	0.40	0.50	90	1.00	2.6	CMT70EX/U NHT70 NH70F/HV/705	1
100W	-	S100 GTS	240	0.69	0.55	95	1.20	-	CMT100/EX/U	1
150W	253570	S150 GTS	240	1.00	0.78	100	1.80	3.6	CMT150/EX/HOR CM150FTW/W/BUD	1
	253205	RS150 CB	240	1.00	0.78	100	1.80	6.1	NH150F NHT150 NHR150	3
250W	253575	S250 GTS	240	1.74	1.28	100	3.00	4.3	CMT250/EX/HOR NH250F NHT250 NHR250	1
	253215	RS250 CB	240	1.74	1.28	100	3.00	6.8		3
	251250	STURDIGEAR 250W HPS	240	1.74	1.28	100	3.00	13.2		5
400W	253580	S400 GTS	240	2.82	2.02	100	4.60	5.5	NH400 NH400F NHR400 NHT400	1
	253225	RS400 CB	240	2.82	2.02	100	4.60	8.0		3
	251255	STURDIGEAR 400W HPS	240	2.82	2.02	100	4.60	16.2		5
	251258	STURDIGEAR 400W HPS CW	240	1.15	2.04	100	4.60	19.5		5
1000W	253585	S1000 GTS	240	5.05	4.93	100	10.60	11.0	NH1000 NH1000F NHT1000	2
	253245	RS1000 CB	240	5.05	4.93	100	10.60	15.5		4
	251265	STURDIGEAR 1KW HPS	240	5.67	5.03	250	4.70	27.8		NHT1000B

*CMH - lamps with prefix CM or CMT are EYE Cera Arc™ ceramic metal halide lamps designed to operate on High Pressure Sodium Control Gear (IEC 60662) with a designated lamp ignitor.

Pictorial is representative only. Specifications may change without notice.

	Code	Description	Fig
BARE CHOKE	510142	ES70	6
	510143	ES150	6
	510144	ES250	6
	510145	ES400	6
	510147	ES1000	6

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