



# MERCURY VAPOUR

## MERCURY VAPOUR CONTROL GEAR

EYE Lighting has a range of Mercury Vapour Control Gear products (IEC 60188) that are suitable for operating Mercury Vapour lamps. Versions are available in Gear Tray, Cast Box and Sturdigear configurations.



### Mercury Vapour Control Gear

#### Requirements

Mercury Vapour (MV) Control Gear consists of: a reactor ballast (also called a “choke”) and a capacitor to adjust the high power factor within acceptable parameters. No ignitor is included. Conforms to IEC 60188 performance specification.

For industrial and exterior applications “ferromagnetic” types are commonly used due to their ability to withstand heat and vibration.

#### 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.

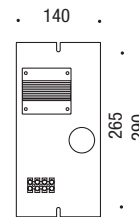
#### Sturdigear

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”) requirements are different for each lamp types, and care is required to correctly match the supply voltage / choke / lamp combination. Mis-matched lamp / gear combinations can cause short life, reduced light output, colour shift, cycling and overheating of the components.

FIG. 1



(H) - Max. 95°

FIG. 4

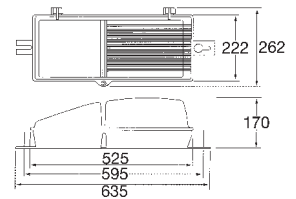
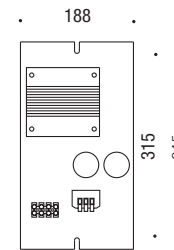


FIG. 2



(H) - Max. 145°

FIG. 5

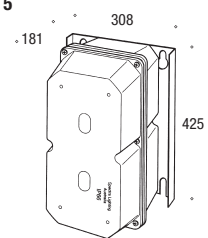


FIG. 3

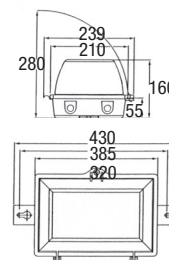
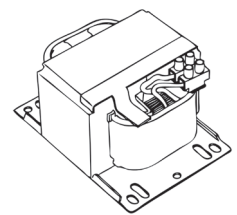


FIG. 6



\*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			
80W	-	H80 GTS	240	0.60	0.41	115	0.80	1.7	HF80PD	1
	253103	RH80 CB	240	0.60	0.41	115	0.80	1.7		3
125W	253500	H125 GTS	240	0.96	0.63	125	1.15	2.2	HF125PD HRF125PD	1
	253100	RH125 CB	240	0.96	0.63	125	1.15	4.8		3
250W	253505	H250 GTS	240	1.92	1.25	130	2.13	3.1	HF250PD HRF250PD	1
	253105	RH250 CB	240	1.92	1.25	130	2.13	6.3		3
400W	253510	H400 GTS	240	3.15	1.99	135	3.25	3.8	HF400PD HRF400PD	1
	253115	RH400 CB	240	3.15	1.99	135	3.25	7.0		3
	251210	STURDIGEAR 400W MV	240	3.15	1.99	135	3.25	13.5		5
700W	253615	H700 GTS	240	5.70	3.59	140	5.40	6.8	HF700PD HRF700PD	2
	253125	RH700 CB	240	5.70	3.59	140	5.40	9.2		4
1000W	253515	H1000 GTS/ S940 GTS	240	7.30	4.55	145	7.50	9.2	HF1000PD HRF1000PD	2
	253235	RH1000 CB/ RS940 CB	240	7.30	4.55	145	7.50	14.0		4
	253135	RH1000B CB 415V	415	3.78	2.80	263	4.10	14.2	HF1000BPD	4

Pictorial is representative only. Specifications may change without notice.

	Code	Description	Fig
BARE CHOKE	510130	EH50	6
	510131	EH80	6
	510132	EH125	6
	510133	EH250	6
	510134	EH400	6
	510268	EH700	6
	510129	EH1000/ELX940	6

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