



PRE-WIRED GEAR BOXES

Weatherproof

Two ranges of prewired gear boxes for Mercury and high pressure sodium lamps from

- (a) 15 – 400 watt
- (b) 600 – 2000 watt

All high pressure sodium types and the 2000 watt MBI have electronic starters fitted.

RANGES

F697 SERIES

150 W SON (220/240v)	F69715
250 W MBF (220/240v)	F69721
250 W SON (220/240v)	F69725
310 W SON (220/240v)	F69731
400 W SON (220/240v)	F69740
400 W MBF (220/240v)	F69741
400 W MBI (220/240v)	F69742

GT SERIES

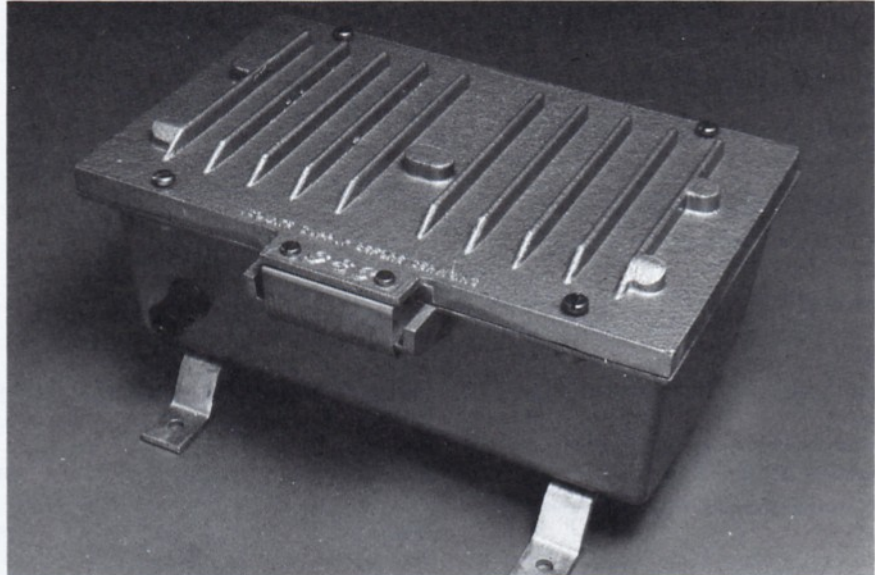
600 W SON (220/240v)	GT600SP
600 W SON (380/440v)	GT6003P
1000 W SON (220/240v)	GT1KWSP
1000 W SON (380/440v)	GT1KW3P
700 W MBF (220/240v)	GT700MSP
1000 W MBF (220/240v)	GT1KWMS
1000 W MBF (380/440v)	GT1KWM3P
2000 W MBI (380/440v)	GT2KW

APPLICATIONS

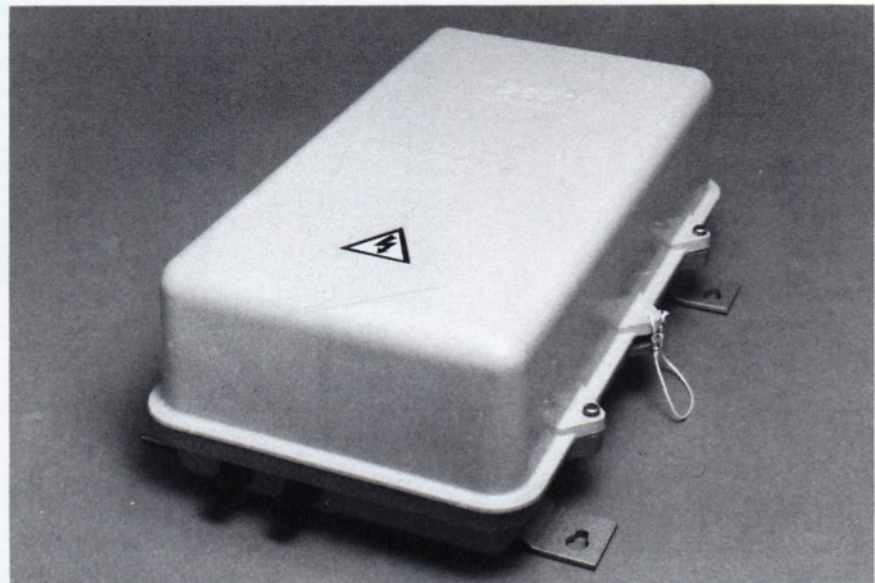
For use with all discharge lamp luminaires which require the control gear to be remotely mounted.

FEATURES – F697 SERIES

- Corrosion resistant LM6M cast aluminium boxes and gear tray lids.
- Ingress Protection I.P. 65. Dust tight and Jet Proof. Can even be hosed down. Can be used in arduous conditions such as in close proximity to fountains.
- Stainless steel hinge for safety when installing the boxes.
- Factory tested. Ready for immediate use saving installation time.
- Power factor corrected with low loss gear.
- Ambient temperatures of 50°C across the range although some units can be used up to 60°C.
- All units suitable for 220 +240v 50Hz.



F69715 – F69742



GT600SP-GT2KW

GT SERIES

- Corrosion resistant LM6M cast alloy gear tray base. Glass reinforced plastic cover.
- Nylon lanyard supports cover when installing.
- Ambient temperatures of 45°C for high pressure sodium and 55°C for mercury.

- All units suitable for 220 +240v or 380 +410 +440v 50Hz.
- All units contain the appropriate HRC fuse(s).
- Other features as listed for F697 series.

MATERIALS AND FINISH

Gear Box Housing:

F697 series – Cast aluminium alloy LM6M.

GT series – Cast aluminium alloy LM6M and glass reinforced plastic.

Components: – Pre-wired with open frame ballasts 85°C Capacitors and (HPS, 2000 watt MBI versions only) 85°C electronic starters.

SPECIFICATION

Ingress Protection I.P. 65, dust-tight and jetproof.

RANGE OF OPERATION

220 +240v or 380 + 410 + 440v
50Hz.

Units to operate on other voltages and frequencies can be supplied to special order.

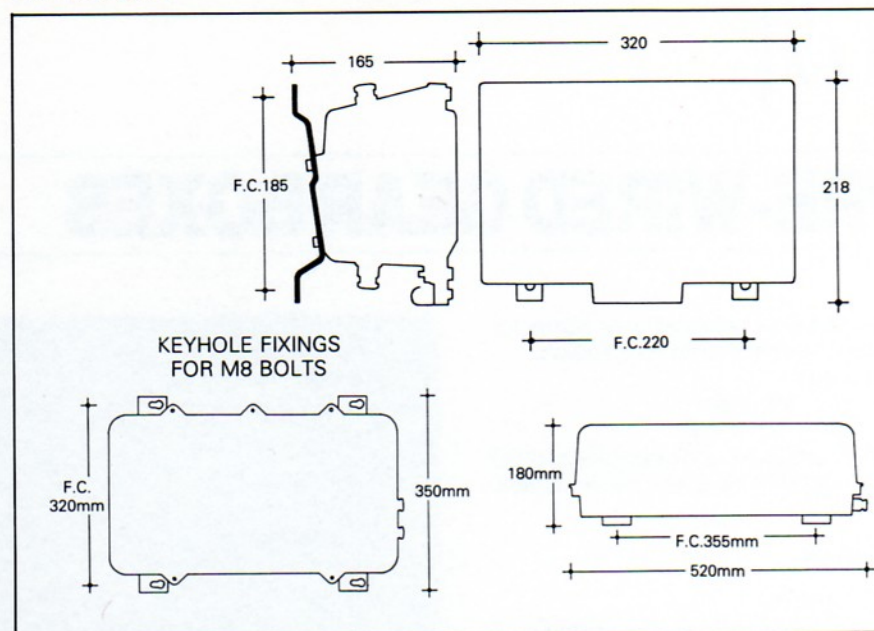
Cable length limitation. **Gear Boxes to Lamp.**

Mercury lamps – no practical limit – subject to voltage drop.

HPS and 2000 MBI maximum distance 50M.

In all cases mineral insulated, glass fibre and asbestos insulation must not be used.

DIMENSIONS



WEIGHTS AND ELECTRICAL DATA

Catalogue Number	Lamp Type	Voltage	Circuit Watts	Power Factor	Weight KG.
F69715	150w SON	220/240	170	0.9	
F69721	250w MB/MBF	220/240	280	0.85	
F69725	250w SON	220/240	280	0.89	
F69731	310w SON	220/240	340	0.88	ALL
G69740	400w SON	220/240	440	0.86	9.5
F69741	400w MB/MBF	220/240	430	0.81	
F69742	400w MBI	220/240	430	0.88	
GT600SP	600w SON	220/240	640	0.92	16.5
GT6003P	600w SON	380/440	645	0.92	16.5
GT1KWSP	1000w SON	220/240	1090	0.87	24.5
GT1KW3P	1000w SON	380/440	1090	0.87	24.5
GT700MSP	700w MB/MBF	220/240	740	0.85	16.0
GT1KWMSP	1000w MB/MBF	220/240	1040	0.87	16.0
GT1KWM3P	1000w MB/MBF	380/440	1035	0.93	16.5
GT2KW	2000w MBI	380/440	2085	0.86	24.5

ORDERING DATA

Catalogue No.	Description
F69715	Gear Box for 150w SON lamp.
F69721	Gear Box for 250w MB/MBF lamp.
F69725	Gear Box for 250w SON lamp.
F69731	Gear Box for 310w SON lamp.
F69740	Gear Box for 400w SON lamp.
F69741	Gear Box for 400w MB/MBF lamp.
F69742	Gear Box for 400w MBI lamp.
GT600SP	Gear Box for 600w Single Phase SON lamp
GT6003P	Gear Box for 600w Phase-Phase SON lamp.
GT1KWSP	Gear Box for 1000w Single Phase SON lamp.
GT1KW3P	Gear Box for 1000w Phase-Phase SON lamp.
GT700MSP	Gear Box for 700w Single Phase MB/MBF lamp.
GT1KWMSP	Gear Box for 1000w Single Phase MB/MBF lamp.
GT1KWM3P	Gear Box for 1000w Phase-Phase MB/MBF lamp.
GT2KW	Gear Box for 2000w Phase-Phase MBI lamp.

For additional technical information, apply to Marwood Electrical Company Limited