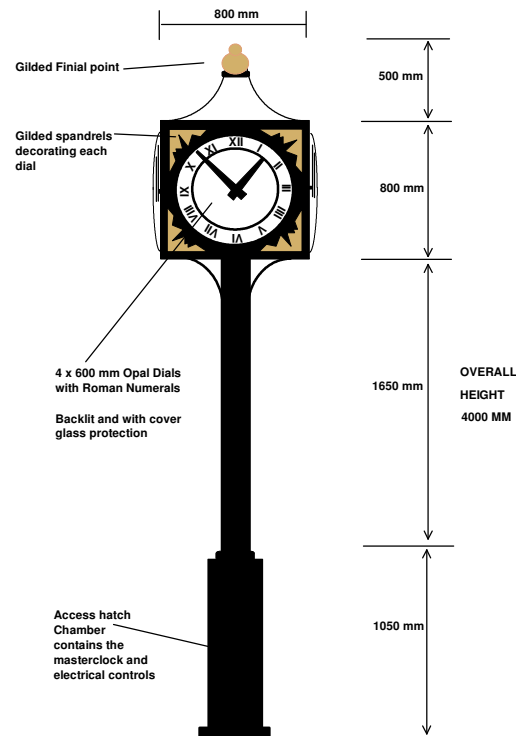


BUCKINGHAM - 4 DIAL PILLAR CLOCK



General Specification

The Buckingham Pillar Clock has an overall height of 4 metres. The stainless steel pillar and GRP clad plinth can be finished to any RAL or BS colour. The clock case is 800 mm cube, with 4 x 600mm dials protected with high impact acrylic cover glass. A top final point and gilded spandrels surrounding each dial provides visual decoration and finish to the case. The dials can be back lit for night time visibility. The clock is controlled by a quartz radio signal masterclock for automatic Summer and Winter time changes.

a) Column and Plinth

The 1650mm x 208mm OD stainless steel column is welded to a 1050mm x 460mm support plinth, with four bolt base plate and internal chamber housing the masterclock and electrical controls. The enamelled finish can be any RAL or BS colour.

b) Clock Case

The 800mm cube GRP clock case with internal steel frame can be supplied in any RAL or BS colour and as the pigment is incorporated into the resin during casting, no further redecoration is required in its lifetime. The roof is topped by a gilded final point. A lower 'skirt' beneath the case protects the fixing point to the column.

The case is fitted with 4 x 600 mm dials. Back lighting can be provided for night time visibility, controlled by an external photoelectric cell or internal timer. The 4 spandrels to each dial are gilded with 23.1/2 carat English gold leaf.

c) Dials and Hands

The dials are fabricated from Perspex Opal 028 and decorated with black Roman numerals and minute track. Arabic numerals or batters can be provided at no additional cost. Alternatively, epoxy resin glazed skeleton dials, with Roman numerals, gilded chapter rings and central 'spider' can be provided as an optional extra. Each dial is protected by high impact acrylic cover glass. The aluminium counterbalanced hands are finished in black enamel.

d) Clock Movement

The *QMO Impulse* quartz master clock has a battery back up and in the event of a mains failure the hands remain stationary until such time as power is restored when the master will immediately drive the hands to the correct time. Summer and Winter time changes are carried out automatically. In addition, as the masterclock is monitored by radio signal from the Atomic clock at Rugby, time keeping is extremely accurate. One minute impulse, reverse polarity, stepper motor slave drive units are fitted behind each dial. These units receive a pulse from the masterclock every minute and advance the hands accordingly.