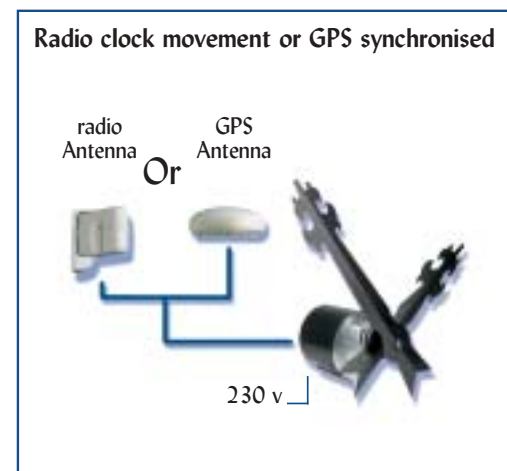
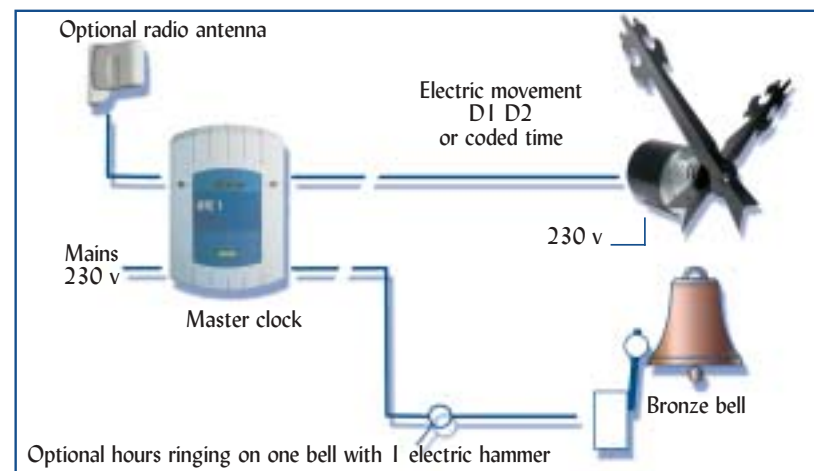


# Tower clock movements

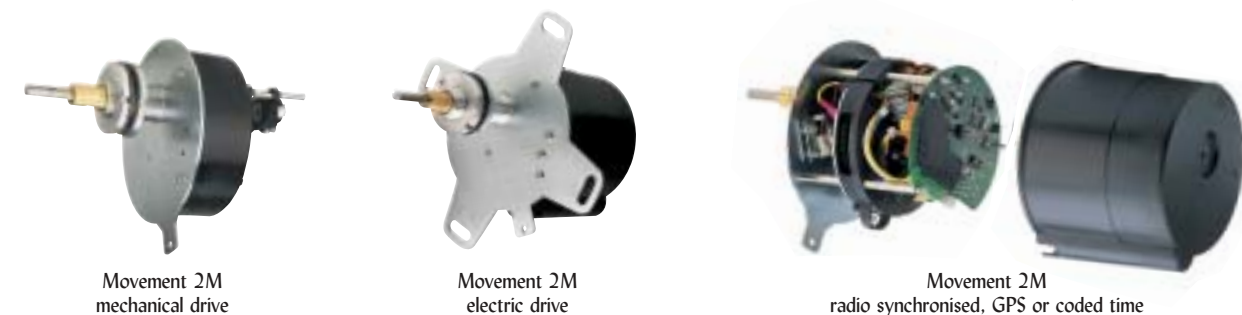
To display time, the dial is associated with a clock movement. The clock movement is controlled by a master clock or is directly synchronised by a GPS or a radio antenna.

Automatic time setting with absolute accuracy. The hand position is electrically controlled in order to guarantee the exact time display.



Fits with indoor or outdoor dials with non protected hands. An electric movement is installed for each dial, the shaft length is adapted to the wall thickness.

- 3 models :**
- Clock movement 2M for dial diameter 0,5 m to 2 meters
  - Clock movement 4M for dial diameter 2 m to 4 meters
  - Clock movement 7M for dial diameter 4 m to 7 meters



- 5 versions :**
- DI D2 230 V electric impulses
  - IRIG-B/AFNOR coded time signal
  - France Inter or DCF radio signal
  - GPS satellite signal
  - Mechanical drive



**Technical features :**

Rust proof material construction, zinc coated steel casing, stainless steel shafts in self lubricated bronze bearings. Mechanism protected by a dust proof and weatherproof casing. Operating temperature from -20° C to + 50 C (-20° F to +122° F) Wind speed resistance up to 130 Km/h (80 Mph)

# Some designs



\* Special manufacturing

**References**

**Cathedrals :** Sacré coeur - Paris, Chartres, Nice, Bourges in France, Thum Cathedral - Ireland, Yamoussoukro Basilica - Ivory Coast, Fukuoka - Japon, Salamanca - Spain.  
**Churches :** 25 000 worldwide installations.  
**Community centres and clubs :** Fox Studios - Australia, Gracanica Tower - Bosnia, Pagritio Stadium - Greece, Lada Tower - Malaysia, Lima Hospitals - Peru, Millenium Clock - Poland, Arroyo Molinos - Spain.  
**Department stores and universities :** Sydney - Australia, Galway University - Ireland, Yarmouk Shopping Centre - Koweit City, University Stadium - Portugal, Koç University - Turkey, Westminster University - Uzbekhstan.  
**Transport facilities :** worldwide.  
**Varied :** Pori Bus terminal Finland - Transmilenio Colombia.



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# Dials and clock movements



# Tower clocks



Since 1868





# Standard dials and hands

For any tower clock installation (public building, churches, schools...), the dial and hands are the most visible parts. Thus, they must be chosen in accordance with building architecture.

### Dial models

Dial diameter from 0,6 to 2 metres  
Translucent acrylic construction insensitive to ultra violet rays and weatherproof (outdoor installation without protection).  
Non corrosive zinc plated steel frame, oven baked paint finish.  
UV resistant and weatherproof numerals and graphics (Numerals can be mounted in relief if required.)

5 models of dials with marking :  
C1, C2, C3, C4, C5  
(Other models and non standard designs upon request.)

Standard models  
White dial and black graphics.

### Optional graphics

M0 No graphic  
M1 Minute marks  
M2 Central ring  
M3 Minute mark + Central ring (M1+M2)  
M4 13 sectors  
M5 Minute marks + 13 sectors (M1+M2)

### Hand styles

Balanced hands :  
Aluminium frame with hand bushes. Designed for indoor or outdoor use, without hand protection.

4 styles :  
- Straight hands  
- Stylised hands  
- Gothic hands  
- Roman hands

Standard colour : black  
Any other colour and design upon request

# Coloured dials and hands

Design your own dial and hands with selection of colours, dial marking and graphics :  
Coloured dials with marking C1 to C5  
Skeleton dials with marking C1, C2, C3 or C5  
Enamelled dials with marking C1 to C5  
Other designs : square dials, ovals...upon request

A large choice for round and skeleton dials with optional graphics.

Skeleton dials without background

Lighting concepts for hands and dials

External lighting with spot

Internal lighting with fluorescent tube

Lighting by luminous dots

Most popular model

# Optional colours for dial marking and hands

Dial colours : one or two colours

Marking, number, dot and sector colours

Hands and frame colours