

LUMICHRON

High Quality Commercial Clocks





LUMICHRON CLOCK CATALOG

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Product Specifications

CASE AND TOWER CLOCKS

STYLE/DESCRIPTION	CASE SIZE Diameter	MODEL NUMBER	TIME CONTROL	OPTIONS
Surface-Mount fully enclosed case with a tempered glass crystal Back-lit dial, LED illumination.	24", 30", 36", 42"	24-SM 30-SM 36-SM 42-SM	Manual switch add suffix -M Automatic add suffix -A Automatic with GPS add suffix -A-GPS	
Semi-Flush Mount fully enclosed case with a tempered glass crystal 1-1/2" flange extending beyond case below bezel lip for securing Back-lit dial, LED illumination.	24", 30", 36", 42"	24-SF 30-SF 36-SF 42-SF	Manual switch add suffix -M Automatic add suffix -A Automatic with GPS add suffix -A-GPS	
Flush-Mount Fully enclosed case with a tempered glass crystal 1-1/2" flange extending beyond case for securing. Back-lit dial, LED illumination. Rear service only.	24", 30", 36", 42"	24-FM 30-FM 36-FM 42-FM	Manual switch add suffix -M Automatic add suffix -A Automatic with GPS add suffix -A-GPS	
Surface-Mount Fully enclosed case with translucent white dial exposed hands (no glass/bezel) Internal illumination with LED	48"-96"	48-SM 96-SM	Manual switch add suffix -M Automatic add suffix -A Automatic with GPS add	Vacuformed dial 1-1/2" deep add suffix -V Embossed or 1/4" plate numbers add suffix - E or P
Flush-Mount Fully enclosed case with translucent white dial exposed hands (no glass/bezel) 2" flange extending beyond case Front or rear service Internal illumination with LED	48"-96"	48-FM 96-FM	Manual switch add suffix -M Automatic add suffix -A Automatic with GPS add suffix -A-GPS	Vacuformed dial 1-1/2" deep add suffix -V Embossed or 1/4" plate numbers add suffix - E or P
Open-Back Dial and trim-ring secured to building front. No case housing Back-lit illumination with remote LED panel	48"-96"	48-OB 96-OB	Manual switch add suffix -M Automatic add suffix -A Automatic with GPS add suffix -A-GPS	Vacuformed dial 1-1/2" deep add suffix -V Embossed or 1/4" plate numbers add suffix - E or P

Standard Case Finishes: Satin Black, Duranodic Bronze

Notes: When specifying, be sure to include Dial and Hand Style and Finish color if known.

Custom sized cases, dials, hands, colors available, consult Factory.

Illuminated clocks are standard. You may choose no illumination.

Product Specifications, continued

DOUBLE-SIDED BRACKET AND POST CLOCKS

STYLE/DESCRIPTION	CASE SIZE Diameter	MODEL NUMBER	TIME CONTROL	OPTIONS
Bracket Clock, Modern or Custom double-faced, projects from a wall Back-lit dial, LED illumination.	24", 30", 36"	30-BR 36-BR	Automatic only With GPS add suffix -GPS	Corner-mount add suffix -C Post-mount add suffix -P
Victorian Bracket Clock Double-faced, cast aluminum with header panel	30"	30-VIC-BR	Automatic only With GPS add suffix -GPS	
Post Clock, Modern or Custom one to four faces on a post	30", 36"	30-P 36-P	Automatic only With GPS add suffix -GPS	
Victorian Post Clock Double-faced, cast aluminum with header panel 11' 5" ht	30"	30-VIC-P	Automatic only With GPS add suffix -GPS	

SKELETAL / SILHOUETTE CLOCKS

STYLE/DESCRIPTION	SIZE Diameter	MODEL NUMBER	TIME CONTROL	OPTIONS
Hands and numbers/markers only, mounted to wall	20" – 20'	[size]-SK	Manual switch add suffix -M Automatic add suffix -A Automatic with GPS add suffix -A-GPS	Illuminated hands and markers (halo lit) add suffix – LUM Front-mounted movement on a rosette add suffix -R

Standard Case Finishes: Satin Black, Duranodic Bronze

Notes: When specifying, be sure to include Dial and Hand Style and Finish color if known.

Custom sized cases, dials, hands, colors available, consult Factory.

Illuminated clocks are standard. You may choose no illumination..



CASE AND TOWER CLOCKS

All of our clocks are built-to-order, as each application is different. Case clocks are complete, self-contained metal cabinets, installed on or in a wall. Tower clocks are usually larger, installed on a raised structure, specifically to display the clock(s).

A few considerations:

- Size depends on viewing distance and height of clock. A general rule for maximum distance is 150 times dial diameter measured in feet.
- Size is the outermost case dimension, not the dial/face opening.
- Can be mounted on the surface or set into a wall, projected out from a wall (Bracket Clock) or mounted on a post (Post Clock).
- May be internally illuminated.
- May be hands and markers only on a wall – see Skeletal.
- Clocks 42" and less usually have tempered glass crystals to protect the hands/face, sizes 24", 30", 36", 42".
- Clocks 48" and greater have exposed dials/hands (see Tower and Skeletal clocks). Standard sizes 48", 60", 72", or custom.
- Clocks larger than 8' are not self-contained cases. Back is open, illumination on separate panel.
- Larger clocks can have front or rear service.
- Time control – **Manual**, with a three position switch: Run, Fast Stop.
Automatic, a master clock controller resets for power interruptions and Daylight Saving automatically with a battery back-up memory. May also be synchronized with an additional GPS antenna.
- Battery operated clocks available in 24" and 30" sizes only, D-cell, or 7 year lithium, fully automatic.
- Finishes: Clocks are usually painted with acrylic enamel, the same as automobile paint. Standard colors are satin black or bronze. Custom colors are available. Powder coating is also available.



Surface Mount, 60"



Semi-Flush Mount, 42"



Surface Mount, 36"



Flush Mount, 72"



Face-lit

[click photos to enlarge](#)



Flush Mount, by day



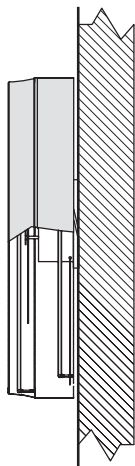
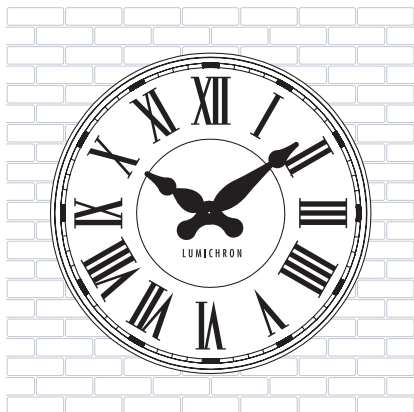
Flush Mount, by night,
back-lit dial

CASE AND TOWER CLOCKS, continued

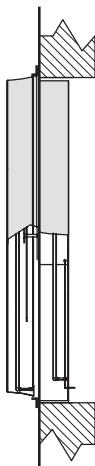
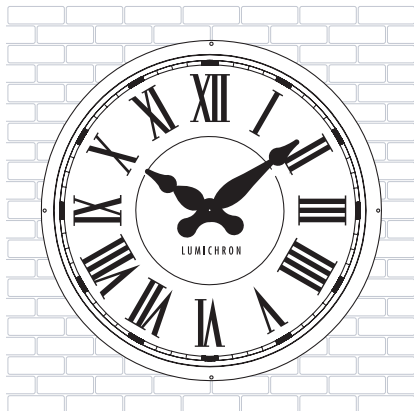
Cases up to 42" diameter.
Dial protected by tempered glass crystal.

Sizes: 24", 30", 36", 42"

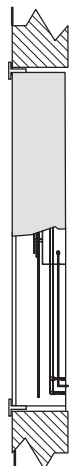
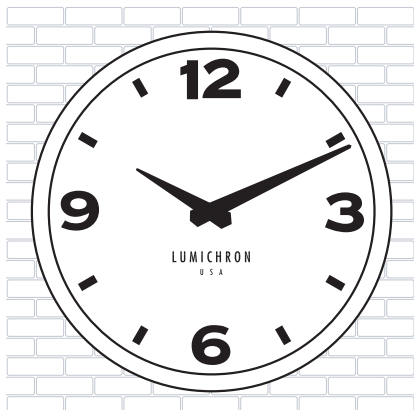
Surface Mount



Semi-flush Mount



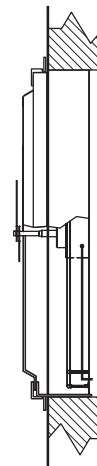
Flush Mount



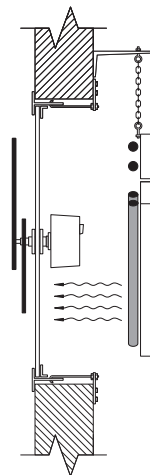
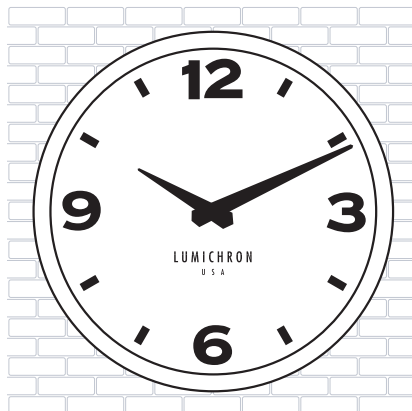
Cases larger than 48" diameter.
Open face dial.

Sizes: 48", 60", 72", 84", 96", & Custom

Flush Mount



Open Back





BRACKET (double-faced wall/post) CLOCKS

A double-sided clock mounted perpendicular to a wall (or pedestal) or mounted to a post, to be seen from two directions. All of our clocks are built-to-order, as each application is different. A few considerations:

- Size depends on viewing distance and height of clock. A general rule for maximum distance is 150 times dial diameter measured in feet.
- May be internally illuminated.
- Mains power delivery for illumination.
- Automatic movement time control with optional GPS.
- City encroachment/permit limitations.



Wall/Bracket Clock



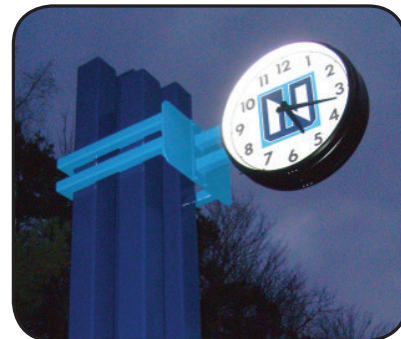
Bracket Victorian



Custom Bracket



Corner Bracket

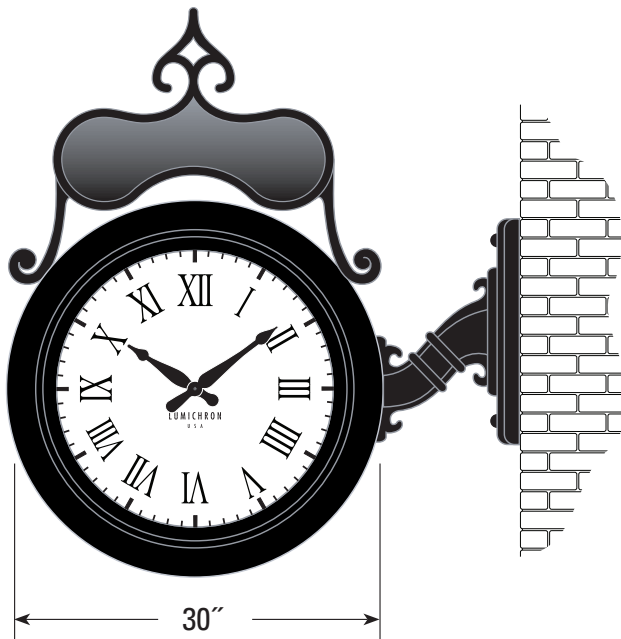


Custom Tower Bracket

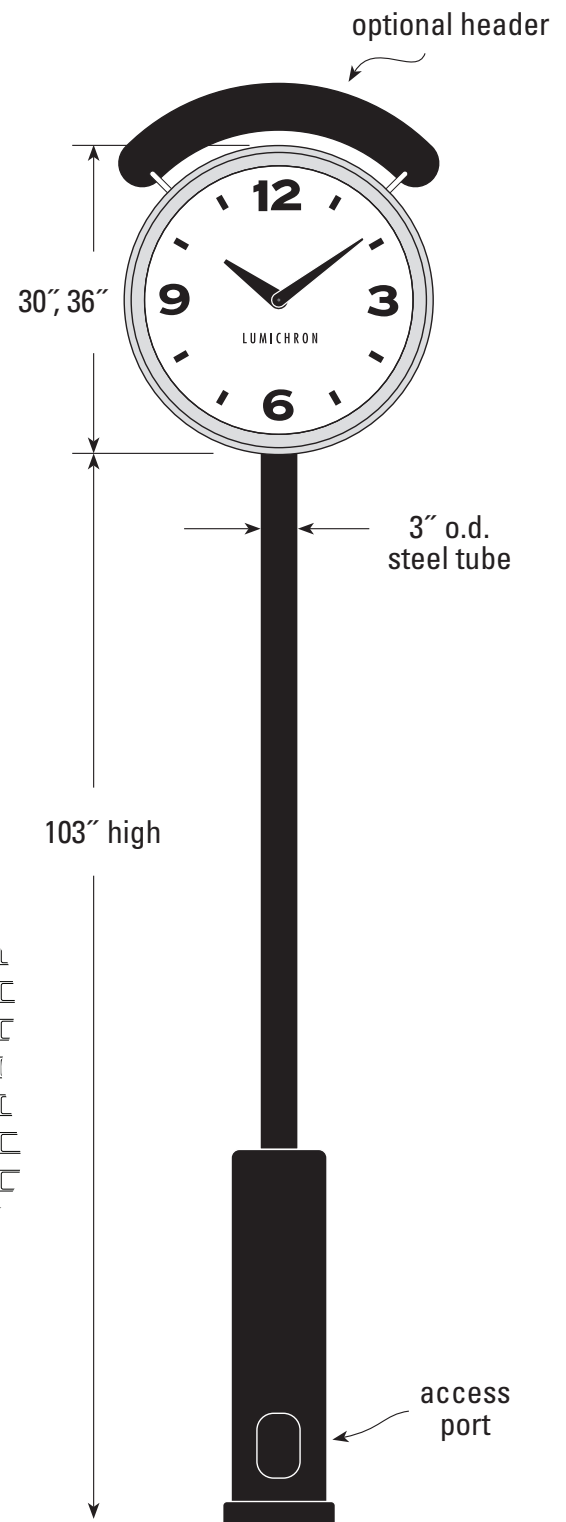
[click photos to enlarge](#)

BRACKET (double-faced wall/post) CLOCKS, continued

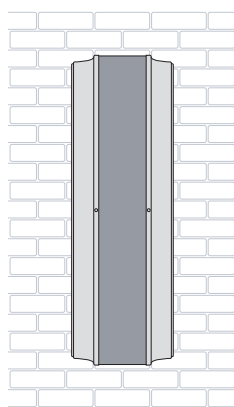
Victorian Style Bracket Clock



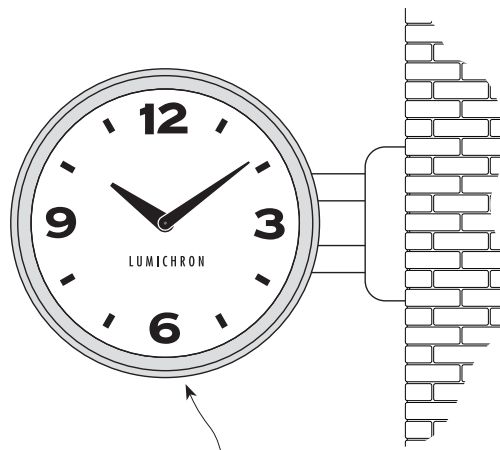
Double faced post clock



Modern Style Bracket Clock



side view



standard size 30", 36"



SKELETAL / SILHOUETTE CLOCKS

A clock with numbers/markers and hands, only, mounted on a wall. A background dial is optional. Clock movement is mounted either behind the wall or to a rosette for front-mounting. Clock hands are exposed and made to take the weather and extreme conditions. All are built-to-order. A few considerations:

- Size depends on height of clock
- Hands and markers/numbers can be illuminated, face or halo-lit (standard)
- Accessibility behind the wall is important
- Wall thickness must be known for correct shaft length
- Time control— **Manual**, with a three position switch: Run, Fast, Stop.

Automatic, a master clock controller resets for power interruptions and Daylight Saving automatically with a battery back-up memory. May also be synchronized with an additional GPS antenna.



Skeletal with Rosette

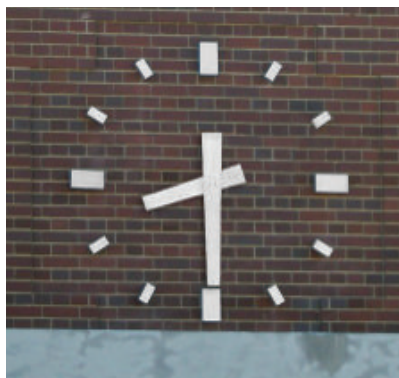


Skeletal



Skeletal with Dial

[click photos to enlarge](#)



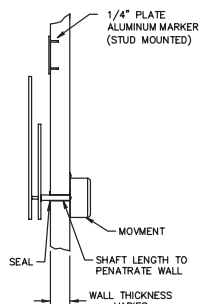
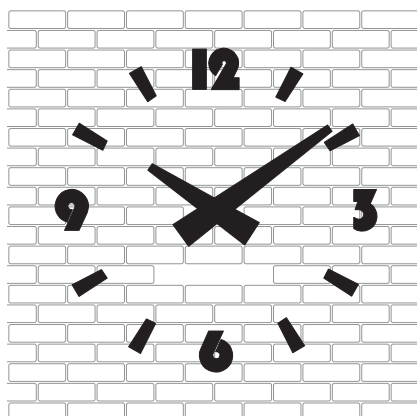
Day time illumination



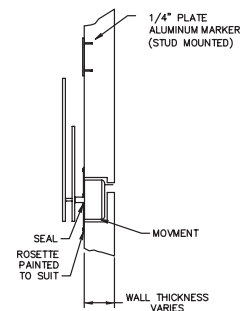
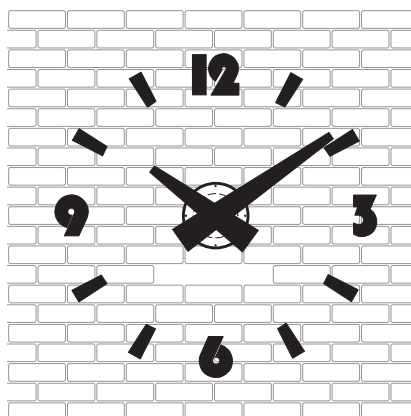
Night time illumination, Halo-lit

SKELETAL / SILHOUETTE CLOCKS, continued

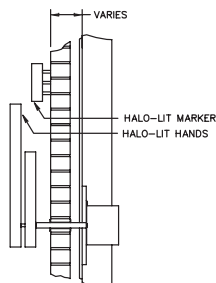
Basic Skeletal



Rosette Skeletal



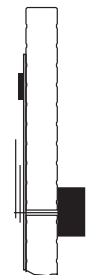
Illuminated Skeletal (night time)

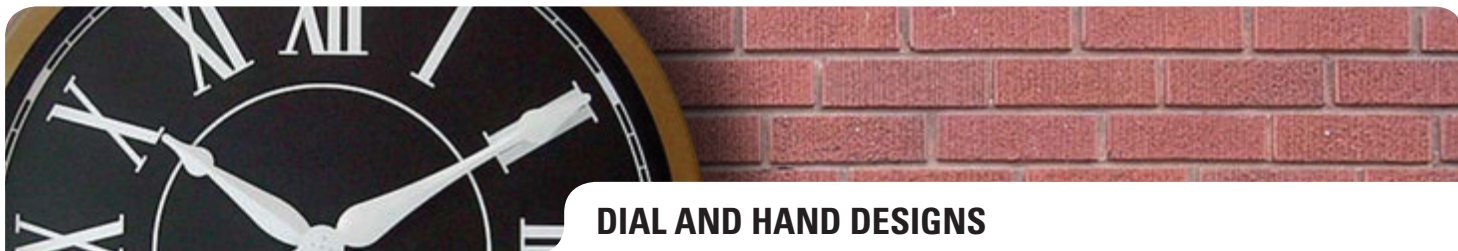


Illuminated Skeletal (daytime)



Skeletal with background dial





DIAL AND HAND DESIGNS

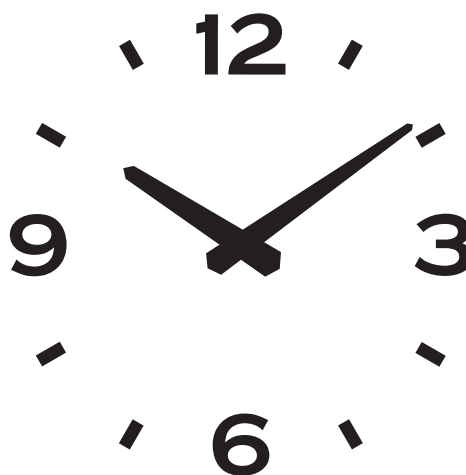
Three distinct types of designs, Roman, Arabic, and Modern, or any combination. Hands are normally matched to number style. 'Spade' with Roman, Straight Tapered with Arabic and Modern. Bold hands are best for telling the time from a distance. Shown on the next 3 pages are our stock dials, but as all clocks are built-to-order, we can design just the right dial for you.

All illuminated dials are white, with black numbers. All black dials are either unlit, or can be lit from under the bezel edge (face-lit).

Most Popular



Dial: Standard Roman
Hands: Roman Spade



Dial: Standard Modern
Hands: Straight Tapered



Arabic



Black Roman



Custom



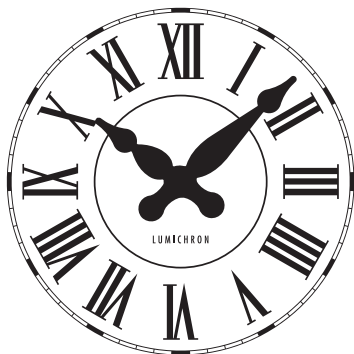
White Roman



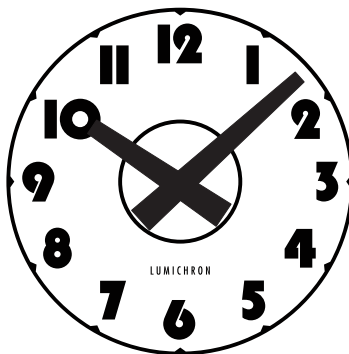
Skeletal Tower

[click photos to enlarge](#)

DIAL AND HAND DESIGNS, 2 of 4 pages



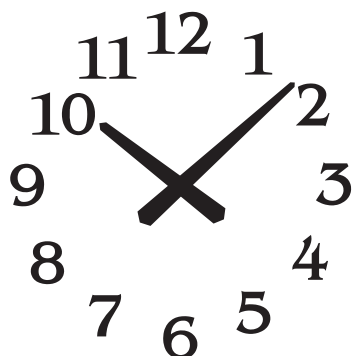
Dial: Standard Roman
Hands: Roman Spade



Dial: Arabic - Pump
Hands: Tapered Block



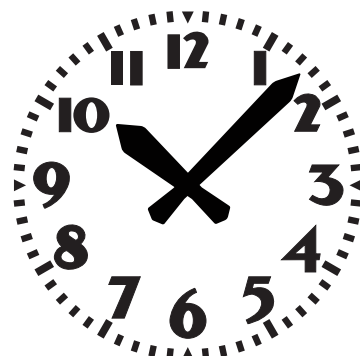
Dial: Modern Swiss
Hands: Tapered Block



Dial: Albertina/Bengait
Hands: Straight Tapered



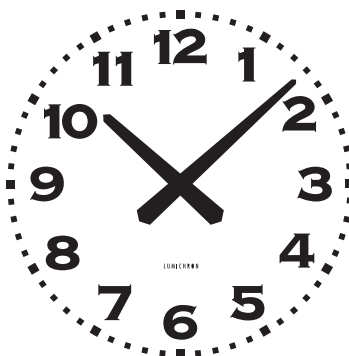
Dial: Sport
Hands: Straight Tapered



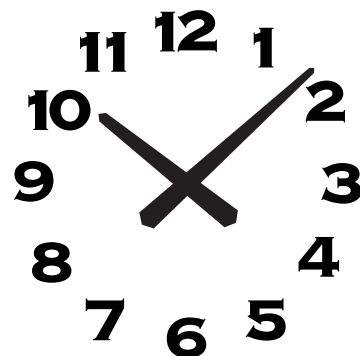
Dial: Merritt
Hands: Merritt



Dial: New
Hands: Straight Tapered

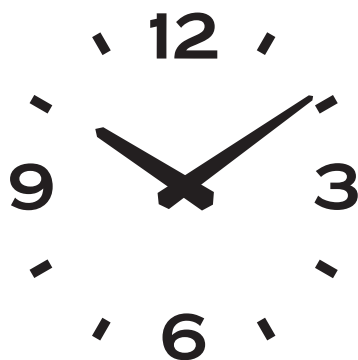


Dial: Full Copperplate
Hands: Straight Tapered

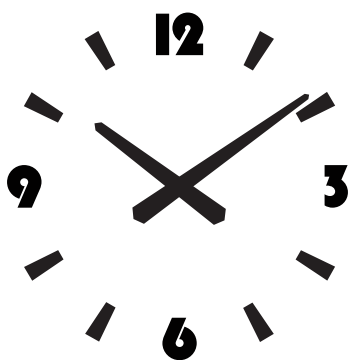


Dial: Copperplate
Hands: Straight Tapered

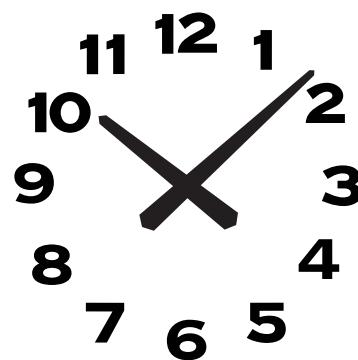
DIAL AND HAND DESIGNS, 3 of 4 pages



Dial: Standard Modern
Hands: Straight Tapered



Dial: Modern Skeletal Type 3
Hands: Straight Tapered



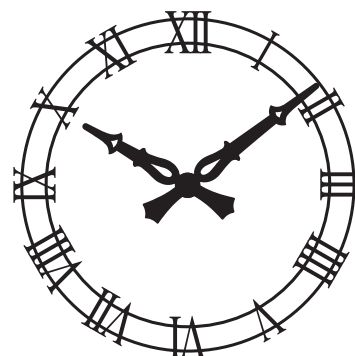
Dial: Copperplate SS
Hands: Straight Tapered



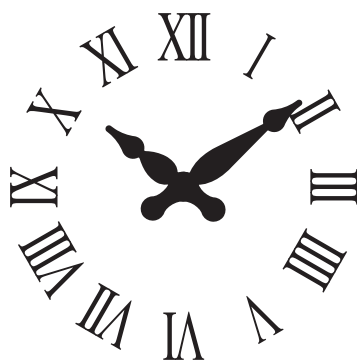
Dial: RCWS
Hands: Roman Spade



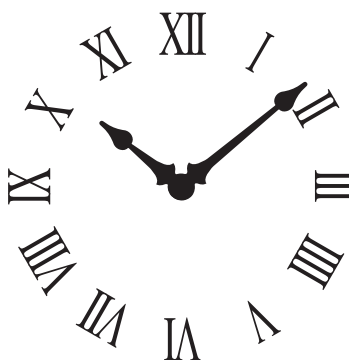
Dial: RC
Hands: Roman Spade



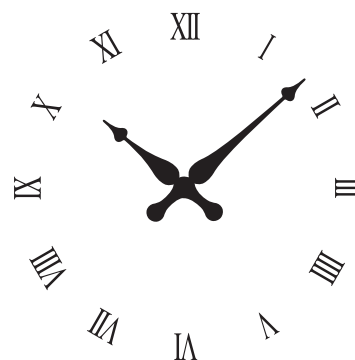
Dial: Roman Skeletal Track
Hands: French Cut-Out



Dial: Roman Skeletal
Hands: Roman Spade

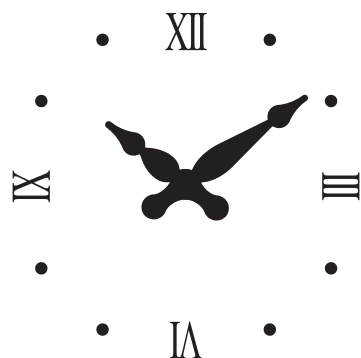


Dial: Roman Skeletal V2
Hands: Roman G



Dial: Roman Skeletal V3
Hands: Roman S

DIAL AND HAND DESIGNS, 3 of 4 pages



Dial: Roman Dots
Hands: Roman Spade



Dial: Skeletal Type 1
Hands: Roman C



Dial: Skeletal Type B
Hands: Straight Tapered



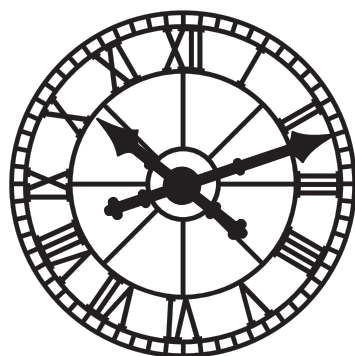
Dial: Skeletal Type C
Hands: Roman C1



Dial: Modern Skeletal Type 1
Hands: Tapered Block



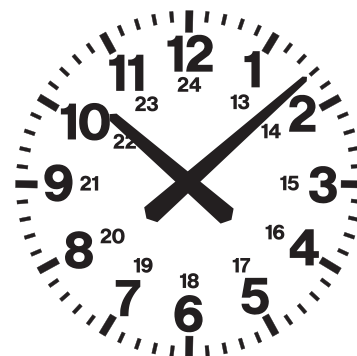
Dial: Skeletal Type 1
Hands: Straight Block



Dial: RCC
Hands: Roman M



Dial: RCC
Hands: Roman Spade



Dial: 24 Hour Sport
Hands: Straight Tapered



TIME CONTROL / CLOCK MOVEMENTS

As the clocks are installed out of easy reach, the time needs to be controlled from a convenient location.

There are two principal methods:

Manual time adjustment

By means of a three-position switch: Run, Fast, Stop.

The switch is hard-wired (120v) to the clock movement(s). Manual adjustments are necessary for Daylight Saving and to reset after power interruptions.

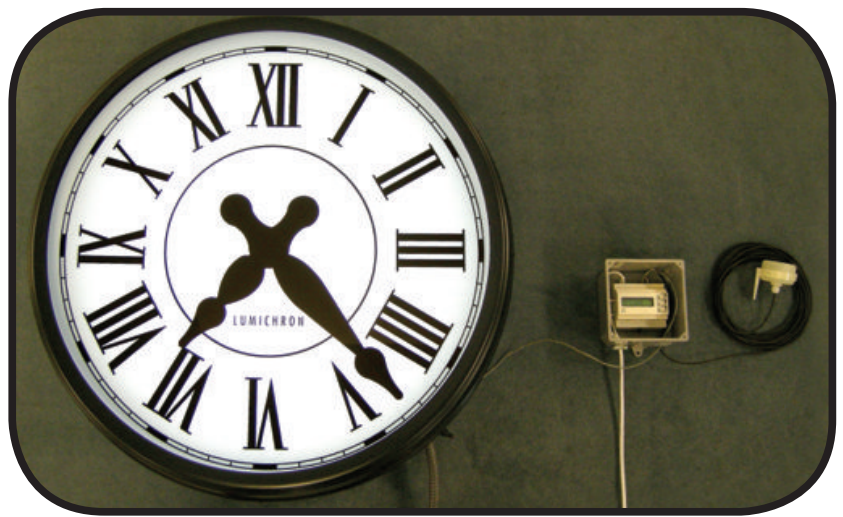
A switch is only available for synchronous electric movements and is usually the least expensive method.

Automatic time control

By means of a master clock controller. This is a quartz-based device, with battery back-up memory, programmed to reset clocks for Daylight Saving (if applicable) and power outages. It is accurate to a couple minutes per year (drift). For absolute time accuracy (no drift), a GPS antenna is available for exact synchronization. Because of the variance in signal strength, 'Atomic' time control (WWVB) is not offered.



Manual Adjustment Switch



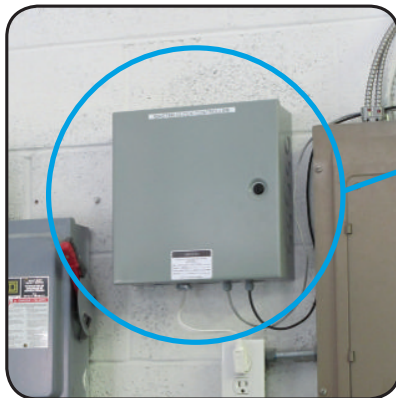
Automatic Control with Optional GPS Antenna

[click photos to enlarge](#)

FULLY AUTOMATIC TIME CONTROL



Display Clock



Master Clock Controller installed in a secure, accessible dry location such as the electrical equipment room. Furnished with cord and plug.



GPS Antenna (optional) will synchronize the Master Clock several times daily for perfect synchronization with NIST (Atomic Time) and eliminate any "drift" from the quartz crystal in the controller. Antenna must be installed outside with clear view of the sky.



Master Clock Controller keeps track of the time and resets the display clocks after power interruptions and daylight saving automatically. Features:

- Quartz Time-base
- Lithium Battery Back-up Memory
- 2-Line LCD Display Screen
- Fully Programmable



CLOCK MOVEMENTS

We offer two basic types of movements: Synchronous Electric or Impulse Drive.

Synchronous electric is a continuous electric motor (120v) coupled to a set of gears (the movement), with two speeds for resetting. It will need lubrication periodically. The movement is controllable with either a three position switch (Run / Fast / Stop) or an automatic controller.

Impulse Drive is a slave motor/movement to a master clock controller. It moves only once a minute, by impulse signal (24v) from the master clock controller; it cannot operate independently. Shafts, bearings and gears are generally lubrication-free and this type of movement is the choice for a highest quality clock.

Movements are rated for the size dial/weight of the hands. Larger the dial, larger the movement. Any clock over 30" requires a commercial-grade controllable movement for this purpose.

Repair / Retrofitting:

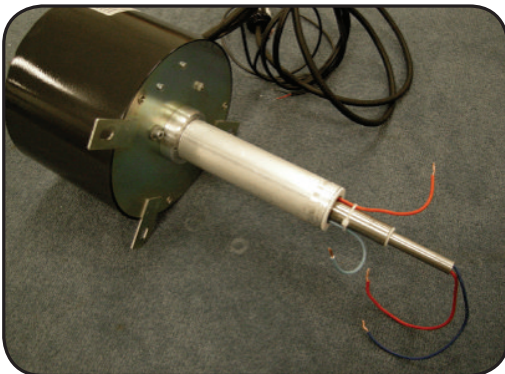
Retrofit a set of tower clocks with impulse-drive movements, coupled with a master clock controller. Size of dial, hand and shaft length are important considerations for proper match-up. Usually new hands will need to be made to suit the new movement shaft hand blocks.

Illuminated hands:

We offer special movements capable of carrying current through the shafts so the hands can be illuminated. See Skeletal.



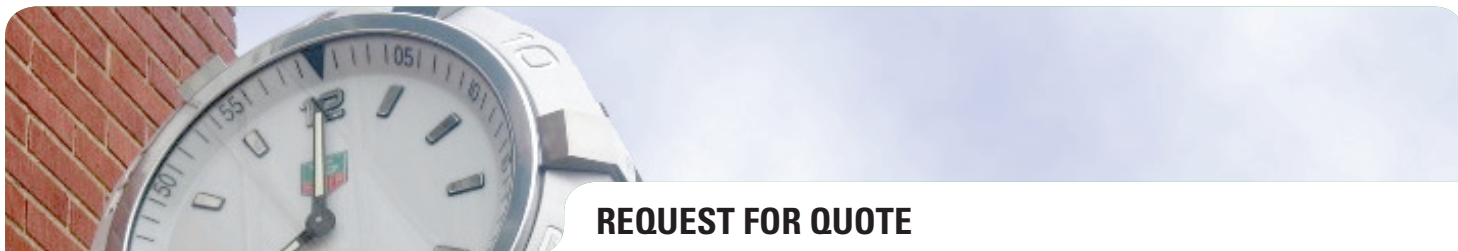
Movements



Luminous movement



4-Way movement



REQUEST FOR QUOTE

Thank you for requesting a quote for your public time clock project.
Please call for further clarification.

Name _____

E-mail address _____

Company, name and address _____

Project number/name _____

Exterior/interior? _____

Overall Size? _____

Single-sided, wall? Surface-mount or recessed? _____

Skeletal (numbers and hands only) or canister (required for illumination)? _____

Double-sided, wall (bracket mount)? _____

Double-sided, post? _____

Illumination preference? _____

Time control preference? If unknown, we'll quote both manual and automatic. _____

Other _____

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NOTES