

Outdoor Clock – Wall Clock

QUOTATION

To:
Pak _____
JAKARTA

Date: 16 July 2012

Specifications

- Diameter up to 2.5 Meter
- Single Sides
- Illumination at Night with **Back Light of Dial**
- GPS Synchronize
changed RTC = Real Time Clock at internal Master Clock System



GFClock Yasa Persada

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<http://www.gfclock.com> Blackberry: 2880ECDC
29B48D7C

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Revision History

Date	Version	Description	Author
16 July 2012	0.1	First Initial	Anggono Basuki

Distribution Document

This document is to be distributed to:

Name	Title
Anggono Basuki	GFClock Yasa Persada
Mr. Ferdy	Jakarta

Document Related

- Mesin Jam Tower – Outdoor
(berisi spesifikasi teknis beberapa type Mesin Jam Tower)
- Penawaran Tower Clock Parts 2012
(berisi Harga Mesin Jam Outdoor clock)

Quotation

To : **Jakarta Customer**
 ATTN : Mr. _____
 TELP : **0818 xxx xxx**
 FAX : _____
 E-MAIL : _____@yahoo.com

REF. No. : GFQ201207-16-01
 DATE : **9 Agustus 2012**
 VALID : 1 MONTH
 TERM : 70% Confirmed, 30% Installed
 WARRANTY : 12 MONTHS

No.	Descriptions	Model	Qty	USD/unit	Total USD
1	MOVEMENT Open-air movement for outdoor tower clock two hands. Hands set by buttons movement back cover. Enhanced metal construction for weather resistant outdoor operation 24-hours-a-day. Reinforced for dial diameter up to 2.5m for hour and minute hands. Power supply: 12-18 Volt DC	GFA25NHB	1		
2	Switch Power AC/DC converter a Switch Power Supply AC/DC converter 220VAC/18VDC)		1		
3	DIALS Aluminum and acrylic material, available numeral: Arabic, Roman, Marker. With Clock Case karena dipasang pada dinding tembok di luar ruangan terbuat dari metal kuat dan tahan karat Support illumination light at night by LED or lamp display from back	2.5 meter	1		
4	HANDS TWO hands for hour and minute with aluminum and acrylic surface for 2.5m dial size Support illumination light at night inside	For 2.5m Dial	1		

Clock Solutions

5	Thermo Control a Control for illumination Light at Night	1		
6	Installation materials Cables, Screw, Lamp, Adhesive, Silent, Isolative, Scone, Welding, etc	Packet		
6	Local Transport Local Jakarta only: support for marketing, complain, handling, solving, implementation transport	1		
7	Freight Cost Expedisi barang ke Bandung berasuransi	Paket		
8	Implementation Fee Installation & Setup	1		
TOTAL NET IN USD :				

Note:

Delivery 60 Days from First Payment Received

Clock Movement - Specifications

GFA Series for 1 – 6 Meter Diameter

Two hands: Hour and Minute



Available for 1 – 6 Meter diameter of Dial

- ☐ Micro-processor based self-setting movement
- ☐ Ideal for open-air tower clock system
- ☐ All metal fabric with stepping motor
- ☐ Remote control enabled
- ☐ Compact design with multiple functions

FEATURES

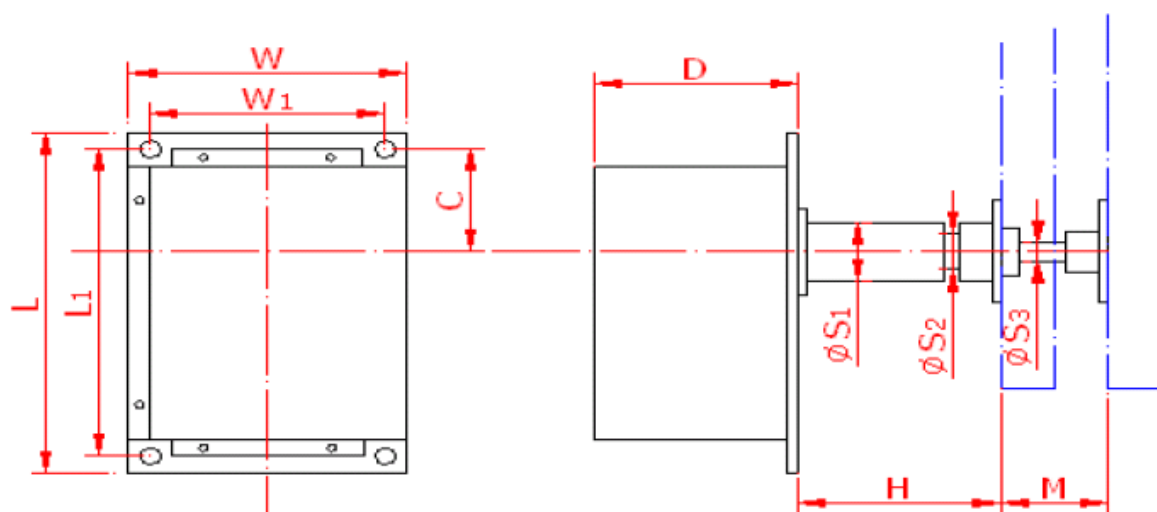
Microprocessor based open-air tower clock movement
Suitable for open-air dial diameter from 1.2m to 12m
Self-setting with master clock upon power recovery from failure
Controlled & synchronized by master clock or PC connected
Operation reservation upon power failure
High efficiency with low power consumption

Clock Solutions

Applicable with or w/o master clock and UT tower clock software

OUTDOOR-USE DESIGN	:	- Entirely metal fabric from internal parts to outer case (GFA12 is exceptional with ABS outer case) - Dust-proof, anti-rust, and weather-resistant
LOW CONSUMPTION	:	- Lower power consumption by 50%
HIGH EFFICIENCY	:	- Cylinder & gears design enables high efficiency with low abrasion
SELF-SETTING	:	- Automatically synchronized with master clock
TIME RESERVATION	:	- 3 months' operation reservation enables auto correction to master clock's time on power recovery from a mains power failure
WIRING	:	- Ordinary double-twisted pair wire
INTERFACE	:	- RS485 output & input
REMOTE OPERATION	:	- Central supervised and controlled with master clock or PC - No operation on movement needed - Wiring distance to master clock or PC up to 1200m - Feedback running status to master clock or PC
TIME ACCURACY	:	- 0.3 s/d at 25° (independent)
HANDS ILLUMINATION	:	- Hollow shafts design enables LED
OTHER PARAMETER	:	- Power supply DC 12V - Shafts Hour & minute - Working Temp. -30 – 85° - Humidity 0 – 95%

DIMENSIONS



MODEL	W	W1	L	L1	D	C	S1	S2	S3	H	M
GFA12S	67	-	99	-	50	27	15	7	-	25	15
GFA25N	130	110	200	180	95	60	34	21	11	95	50
GFA25L	130	110	200	180	95	60	34	21	11	230	50
GFA40N	150	130	230	210	100	68	58	33	16	124	65
GFA40L	150	130	230	210	100	68	58	33	16	250	65
GFA60N	200	180	300	280	159	92	64	39	22	154	95
GFA60L	200	180	300	280	159	92	64	39	22	270	95

GFA Series

COMPARISON & SELECTION TABLE OF GFA MOVEMENT

MODEL	Dial Size (cm)	Dial Thickness (mm)	Hour Shaft Length (mm)	Hands Illumination	Operation	Buttons for Adjusting Hands
GFA12SFP	~ 120	~ 10	25	-	w/o Master	**
GFA12SFS	~ 120	~ 10	25	-	with Master	-
GFA12SFB	~ 120	~ 10	25	-	with or w/o Master	**
GFA12SHP	~ 120	~ 10	25	Enabled	w/o Master	**
GFA12SHS	~ 120	~ 10	25	Enabled	with Master	-
GFA12SHB	~ 120	~ 10	25	Enabled	with or w/o Master	**
GFA25NFP	120 ~ 250	~ 60	90	-	w/o Master	**
GFA25NFS	120 ~ 250	~ 60	90	-	with Master	-
GFA25NFB	120 ~ 250	~ 60	90	-	with or w/o Master	**
GFA25NHP	120 ~ 250	~ 60	90	Enabled	w/o Master	**
GFA25NHS	120 ~ 250	~ 60	90	Enabled	with Master	-
GFA25NHB	120 ~ 250	~ 60	90	Enabled	with or w/o Master	**
GFA25LFP	120 ~ 250	~ 200	230	-	w/o Master	**
GFA25LFS	120 ~ 250	~ 200	230	-	with Master	-
GFA25LFB	120 ~ 250	~ 200	230	-	with or w/o Master	**
GFA40NFP	250 ~ 400	~ 60	115	-	w/o Master	**
GFA40NFS	250 ~ 400	~ 60	115	-	with Master	-
GFA40NFB	250 ~ 400	~ 60	115	-	with or w/o Master	**
GFA40NHP	250 ~ 400	~ 60	115	Enabled	w/o Master	**
GFA40NHS	250 ~ 400	~ 60	115	Enabled	with Master	-
GFA40NHB	250 ~ 400	~ 60	115	Enabled	with or w/o Master	**
GFA40LFP	250 ~ 400	~ 200	263	-	w/o Master	**
GFA40LFS	250 ~ 400	~ 200	263	-	with Master	-
GFA40LFB	250 ~ 400	~ 200	263	-	with or w/o Master	**
GFA60NFP	400 ~ 600	~ 60	154	-	w/o Master	**
GFA60NFS	400 ~ 600	~ 60	154	-	with Master	-
GFA60NFB	400 ~ 600	~ 60	154	-	with or w/o Master	**
GFA60NHP	400 ~ 600	~ 60	154	Enabled	w/o Master	**
GFA60NHS	400 ~ 600	~ 60	154	Enabled	with Master	-
GFA60NHB	400 ~ 600	~ 60	154	Enabled	with or w/o Master	**
GFA60LFP	400 ~ 600	~ 200	270	-	w/o Master	**
GFA60LFS	400 ~ 600	~ 200	270	-	with Master	-
GFA60LFB	400 ~ 600	~ 200	270	-	with or w/o Master	**

For Example:

GFA60NFB would be used for dial diameter up to 6.0m with hour and minute hand shafts, not supporting hands illumination and controlled, and supervised through master clock or PC and be independent clock, and installed behind a dial with thickness less than 6 cm.

Wiring Installation

Bangunan Menara oleh Pembeli harus dibuat seperti pada gambar dibawah ini:

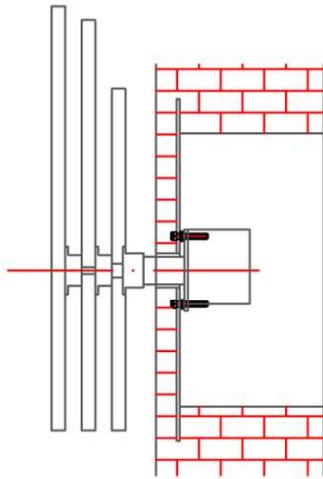


Fig. 1

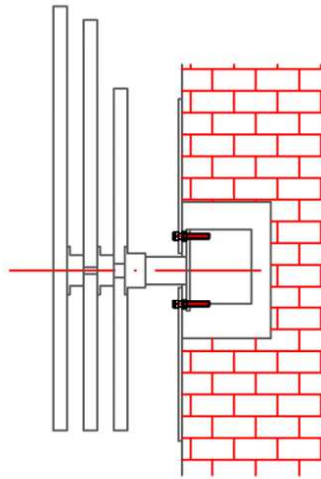


Fig. 2

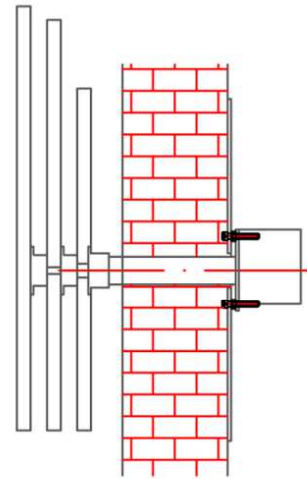
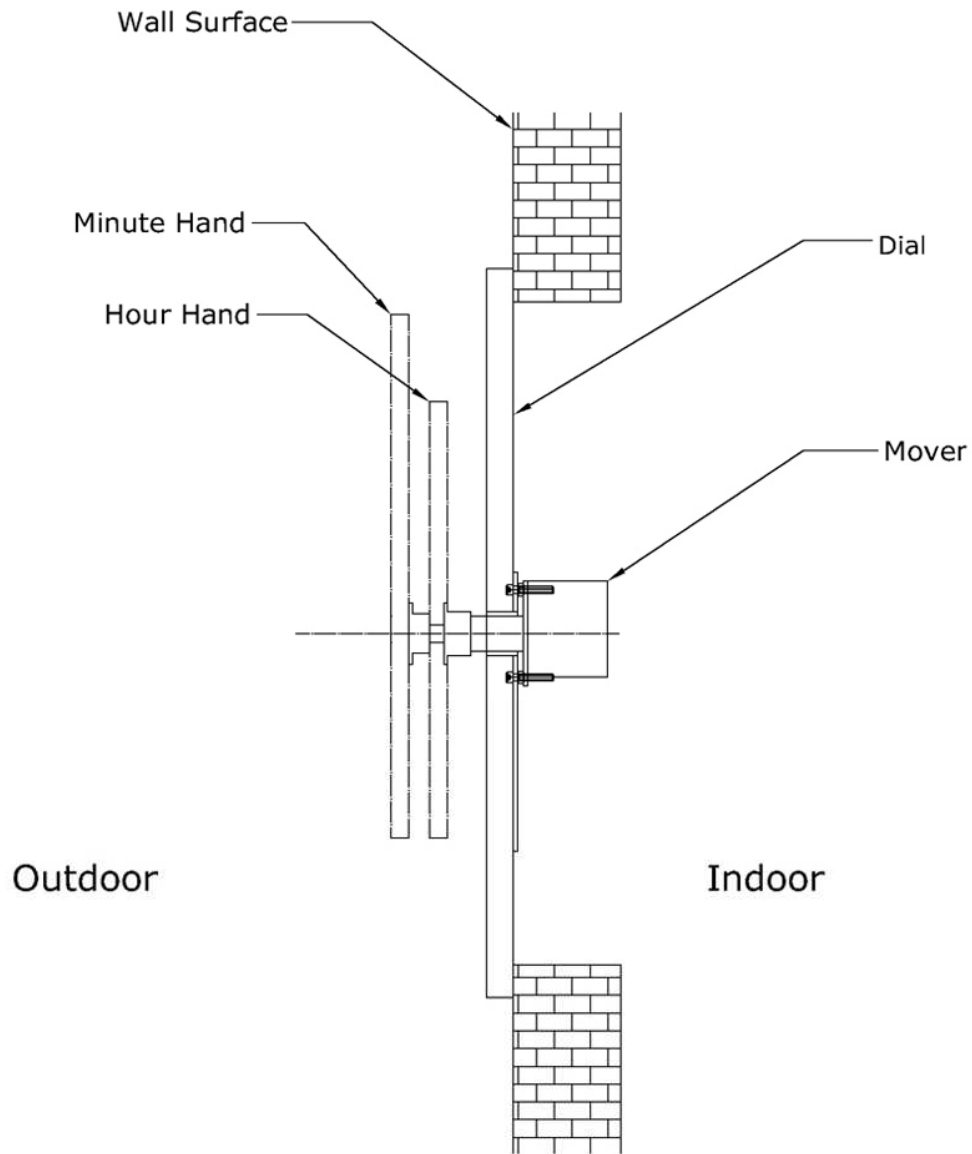


Fig. 3

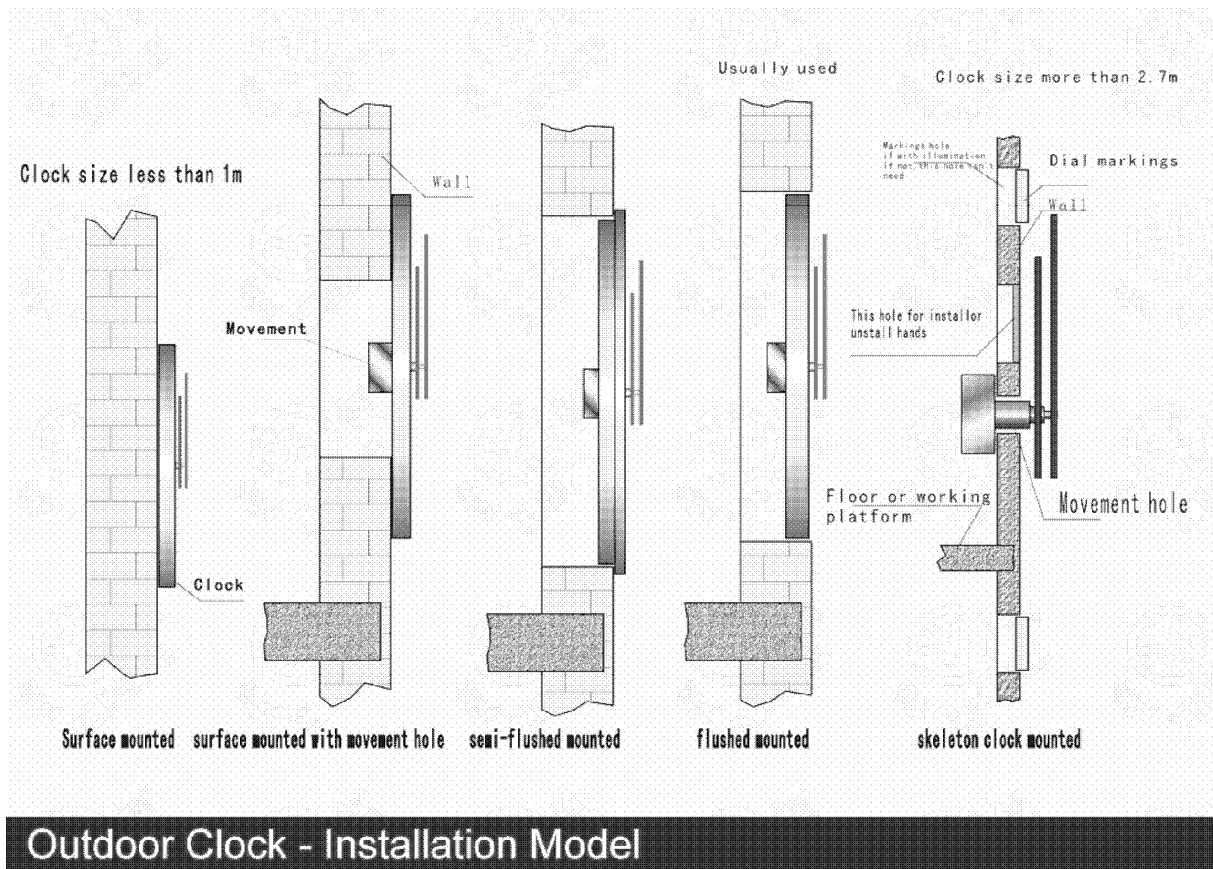
Remark: in Fig. 3, movement with extended shaft is required

Building Clock - Installation



Tower Clock - Installation

Clock Solutions



Pada gambar installations terakhir ini ditunjukan untuk pemasangan jam dinding Outdoor, direkomendasikan pemasangan seperti pada pada sisi kiri No.#2 **“surface mounted with movement hole”**

Dials & Hands

Berikut ini hanya beberapa contoh Dials dan Hands yang dapat dipilih, namun untuk Penawaran ini dipilih model Dials dan Hands sesuai dengan gambar pada Bab: **Picture References**

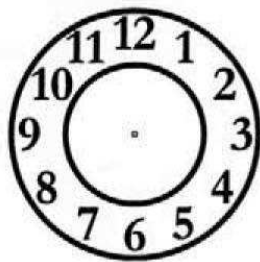
Spesifikasi:

1. Dial diameter 2.5 meter
2. Dial dapat menyala pada malam hari disorot Lampu dari belakang.
3. Dial Warna dasar Putih, tulisan Angka warna Hitam
4. Dial terbuat dari Aluminum dan Acrylic
5. Hands (Jarum Detik, Jarum Menit, dan Jarum Jam) warna Hitam
6. Hands terbuat dari Aluminum dan Acrylic

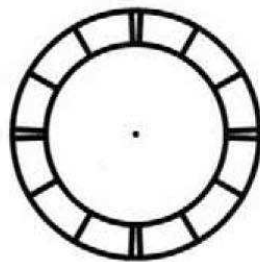


Atau dapat juga dengan pilihan model - model Dials dan Hands berikut ini:

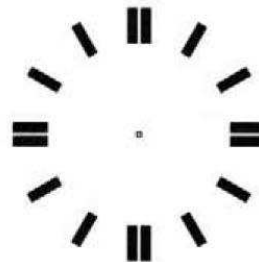
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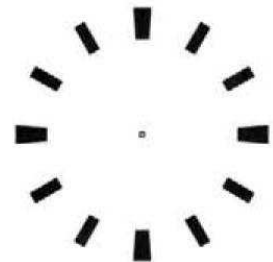
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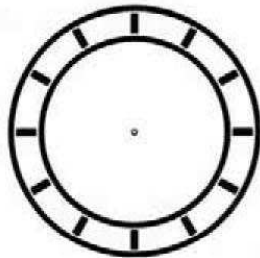
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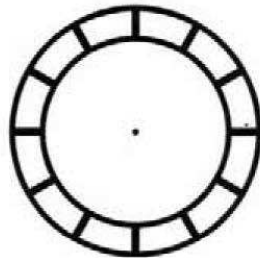
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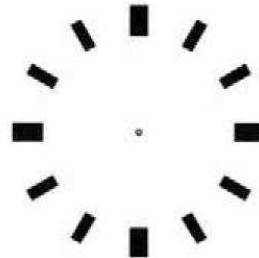
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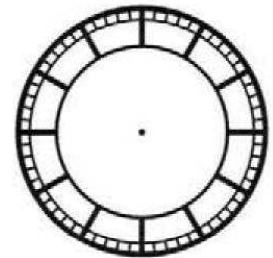
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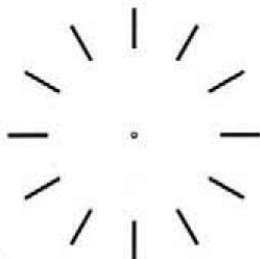
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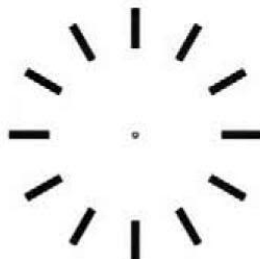
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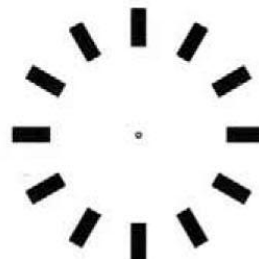
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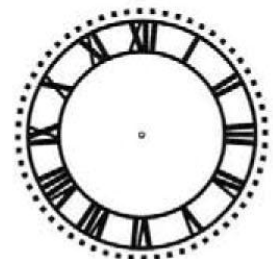
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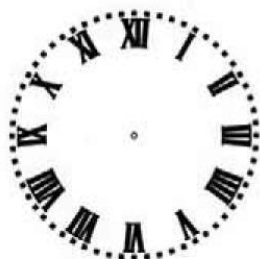
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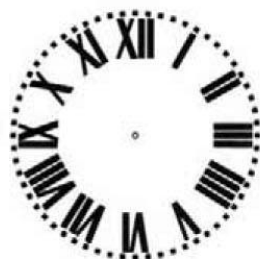
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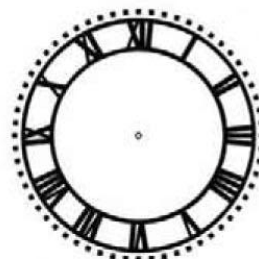
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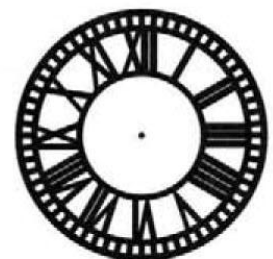
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EB-312V

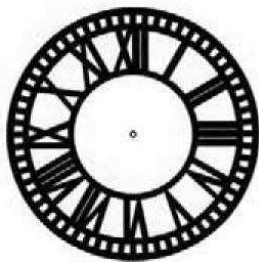


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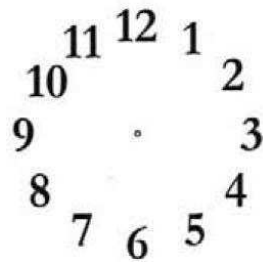


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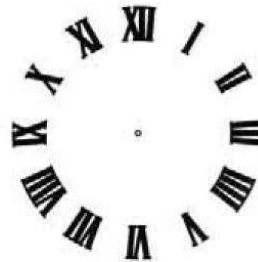
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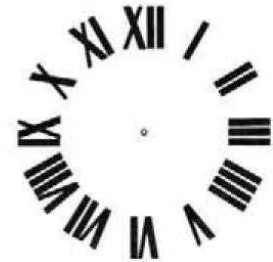
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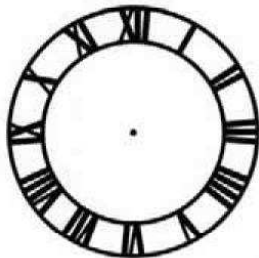
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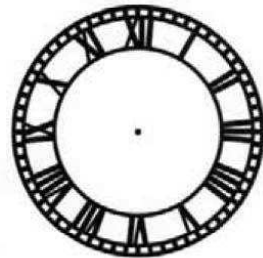
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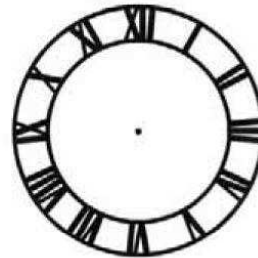
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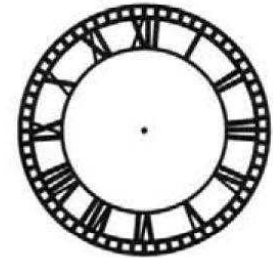
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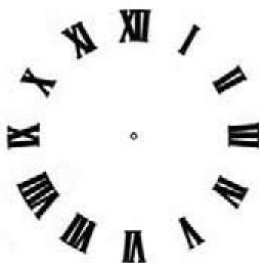
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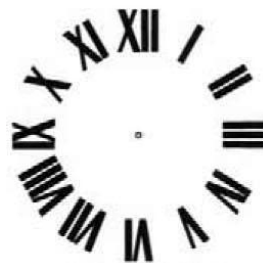
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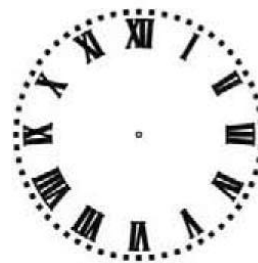
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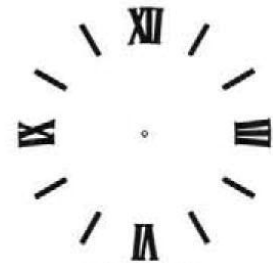
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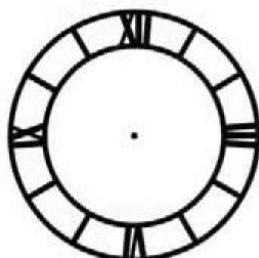
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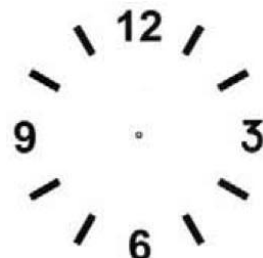
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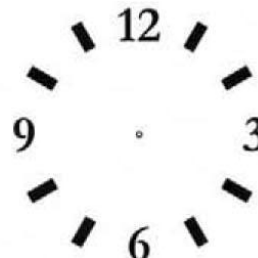
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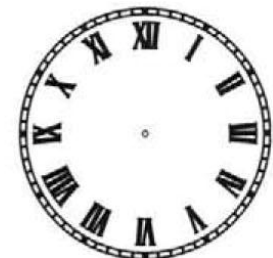
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EB-325

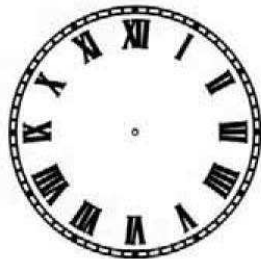


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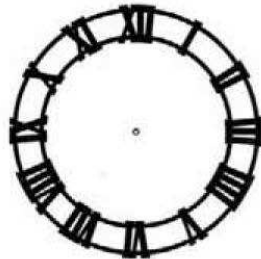


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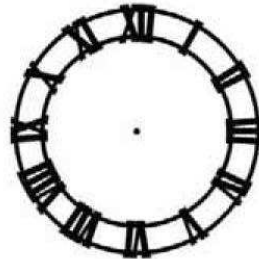
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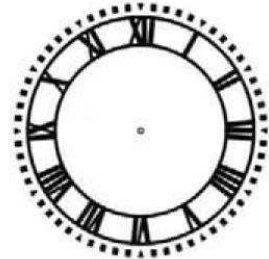
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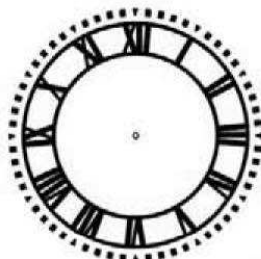
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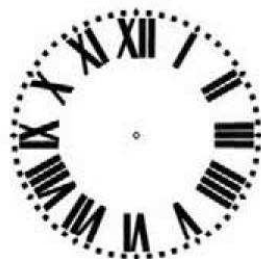
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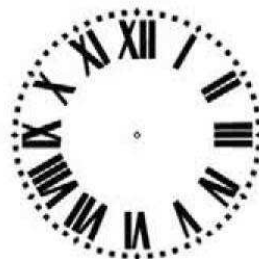
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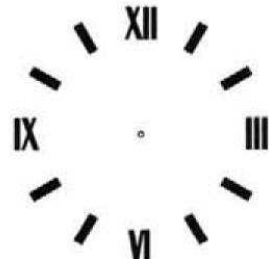
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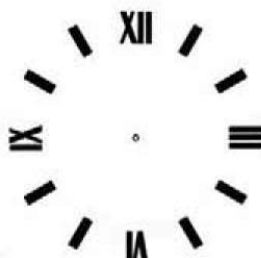
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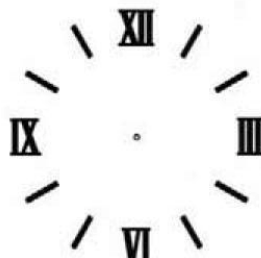
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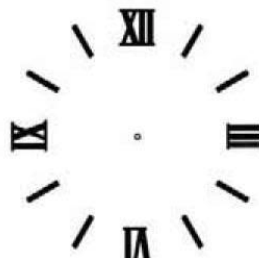
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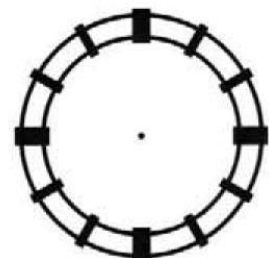
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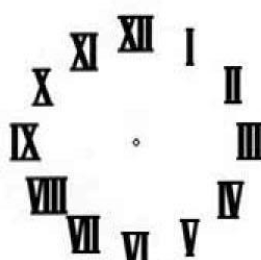
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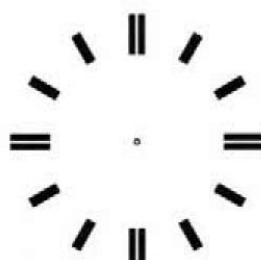
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EB-346

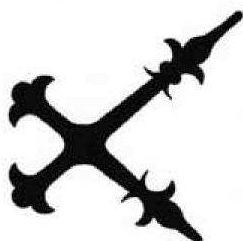


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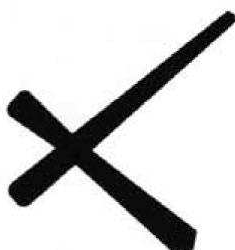


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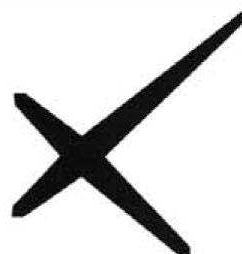
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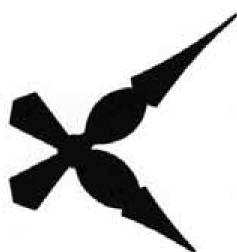
EB-401



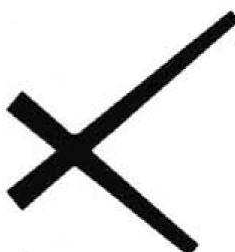
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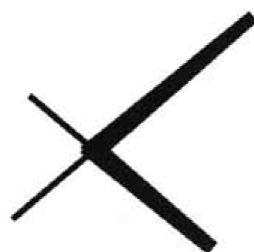
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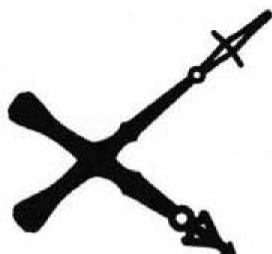
EB-404



EB-405



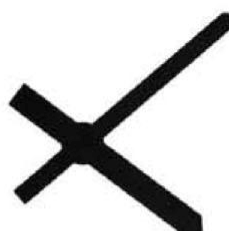
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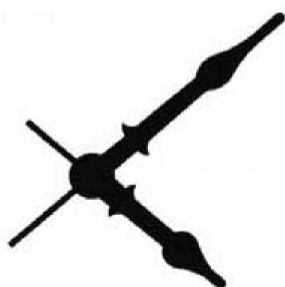
EB-406



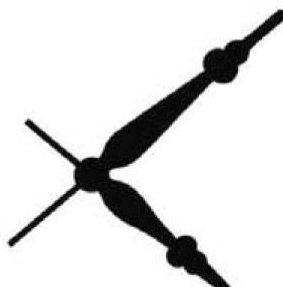
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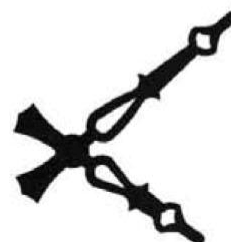
EB-408



EB-409

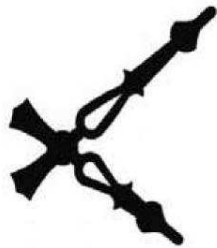


EB-410

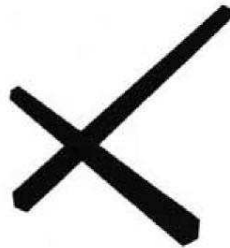


EB-412

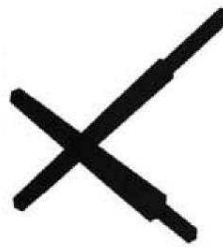
2/3



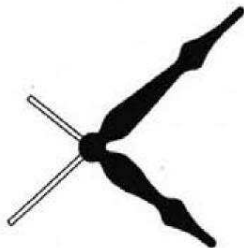
EB-412-H



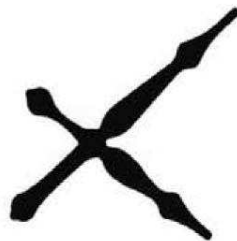
EB-413



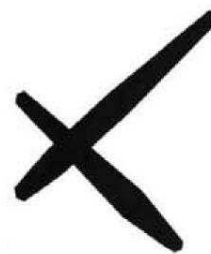
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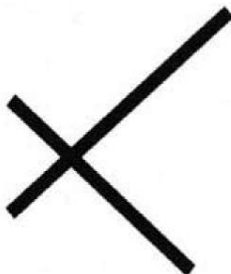
EB-415



EB-416



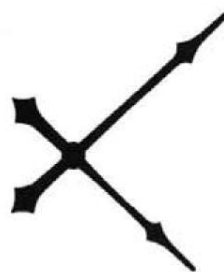
EB-417



EB-418



EB-418-H



EB-419



EB-420

Picture References

Berikut adalah Jenis Dials dan Hands yang dapat dijadikan referensi untuk diimplementasikan dalam Outdoor Clock dengan illumination at night atau ada sorotan Cahaya dimalam hari dari belakan Dial tembus sampai ke depan.



Dial with illumination at Night



Clock Solutions

Berikut adalah contoh gambar Jam Outdoor – Wall clocks lainnya, bisa dipilih sebagai referensi model dan bentuk yang diinginkan:





Clock Solutions

Anda bisa melihat beberapa koleksi bentuk jam Tower Clocks, Outdoor Clocks, dan Street Clocks di website kami di <http://jualmesinjam.blogspot.com>

atau bisa kontak kami secara langsung ke:

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