GF Clock Yasa Persada

AM120-AF

Japan Movement

Tower clocks are available backlighted, halo lighted, or edge lighted with LEDs. Custom designed tower clocks are limited only by your imagination. A wide range of standard dial markings and hands along with special dial lettering and logos are available. Others services including bell tower, tower clock, clock tower, makers of tower clocks, tower clock manufacturers, industrial wall clock also can be provided.
35 years long life
1+ years of Guarantee
Steel Frame with painting/coating
Aluminum Dial (or Acrylic Dial)
Different numerals available

Optional:
Music is available/changeable
Chiming each hour is enable
Automatic night LEDs light on/off system
Outside-clock (or inside-clock) lighting system

Features:

- Microprocessor based open-air tower clock movement
- Suitable for open-air dial diameter from 100 to 120 CM
- Self-setting with master clock upon power recovery from failure
- Controlled & synchronized by master clock
- Operation reservation upon power failure
- High efficiency with low power consumption

Specifications:

Type	:	AM120-AF
Movement	:	JAPAN Movement 12V step 1/s
Size	:	Diameter 120 cm
Frame	:	Metal material
Dial	:	Acrylic white color, Arabic numeral black color
Hands	:	Two hands (hour, minute)
Scale	:	Minute bar black color
Illumination	:	LED 100.000 hours inside
Synchronized	:	Mandatory with master clock support 120 meter
Grade	:	IP65
Additional		
GPS	:	Time Syncronized to satellite

Applications:

Public clocks: square, school, airport, church, mosque
Facade building clocks at supermarket, school, station
Landscape clocks: Floral clock, Flower clock, Park clock
Tower clock, Specialty clock, Outdoor clock, Airport clock, Custom House clock, University clock, College clock, Master Clock System, Analog clock, Giant clock

Distributed by.
PT. YASA PERSADA DEWANTARA
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Projects & Application

Asian Games XVIII Palembang, Jembatan Ampera
Project: Kementrian PUPR, 2 Agustus 2018

Jam Gede Jasa diameter 200CM di kota Tangerang
dibangun pada tahun 2014

Menara Masjid Jami Gontor dibangun dengan ketinggian 85 meter, dilengkapi dengan 4 jam analog ukuran besar dengan diameter jam 4 meter di empat sisi arah mata angin.

Peletakan batu pertama dilaksanakan pada tahun 2016 oleh Bapak Presiden RI dan Pimpinan Pondok, peresmian dilakukan oleh Bapak Jusuf Kala, tahun 2018

Dial & Hands

No. 1

No. 2

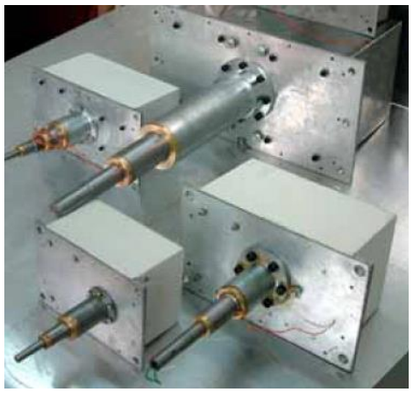
No. 3

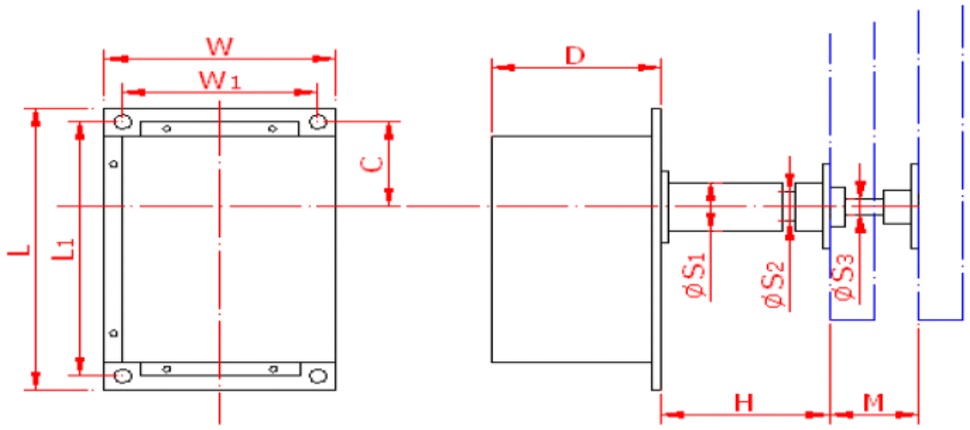
No. 4

No. 5

No. 6

JAPAN Clock Movement





MOVEMENT	W	W1	L	L1	D	C	S1	S2	S3	H	M
GFA12S	67	-	99	-	50	27	15	7	-	25	15

OUTDOOR-USE DESIGN :
- Entirely metal fabric from internal parts to 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 with twist cable up to 120m

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
- No operation on movement needed
- Wiring distance to master clock up to 1200 meter
- Feedback running status to master clock

TIME ACCURACY :
- 0.3s at 25° (independent)

OTHERS PARAMETER :
- Power supply DC 12V
- Shafts Hour & minute
- Working Temp. -30 – 85°
- Humidity 0 – 95%

Master Clock

Master Control dapat digunakan untuk melakukan sinkronisasi waktu dari ke empat mesin jam sehingga waktu yang tercatat dari masing-masing mesin jam akan sama, dan mempunyai fungsi RTC = Real Time Clock yang berguna untuk menyimpan informasi waktu jika sumber Listrik dalam keadaan mati (informasi waktu tersebut akan tersimpan selama 6 bulan, setelahnya bisa dilakukan reset ulang untuk kembali dapat menyimpan informasi waktu)

Master Clock ini juga mempunyai fungsi illumination control untuk lampu akan menyala pada malam hari, auto correction time jika listrik PLN mati dan akan melakukan perintah recovery time secara otomatis kepada masing-masing secondary clocks, sehingga mesin jam akan menyamakan jarum secara otomatis dengan kondisi waktu saat ini.

Berikut adalah Master Control dalam penawaran ini adalah, sbb:

WIRING	:	- Ordinary double-twisted pair wire
INTERFACE	:	- RS485 output & input
REMOTE OPERATION	:	- Wiring distance to slave clocks up to 1200 meter - Feedback running status for slave clock
TIME ACCURACY	:	- GPS synchronization accuracy 1μs - Quartz 0.2s at 25°
OTHERS PARAMETER	:	- Power supply DC 12V - Shafts Hour & minute - Working Temp. -30 – 85° - Humidity 0 – 95%

Other option:
Westminster Hours Striking Module + Speaker and Amplifier are support Melody/Chime

Note:

Master Control jenis ini adalah pilihan yang tepat dalam penawaran ini untuk support spesifikasi yang diinginkan, antara lain:

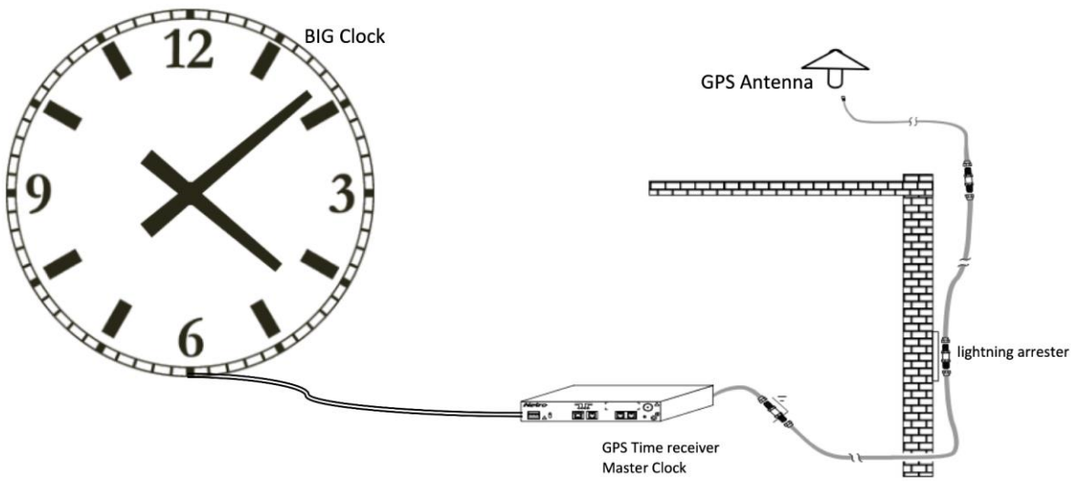
1. Tower Clock 4 Face dan masing-masing mesin jam akan saling tersinkronisasi waktunya
2. included RTC = Real Time Control (menyimpan informasi waktu sampai dengan 6 bulan selama Listrik Mati, dan bisa di reset kembali)
3. Auto correction time, jika listrik mati akan melakukan perbaikan waktu secara otomatis pada saat listrik kembali hidup
4. Support illumination control, dan bisa di set untuk interval waktu yang diinginkan
5. Tambahan, chime generator yang akan berbunyi setiap menit 00:00 (ini dapat deprogram jam berapa saja akan berbunyi)

GPS Antenna

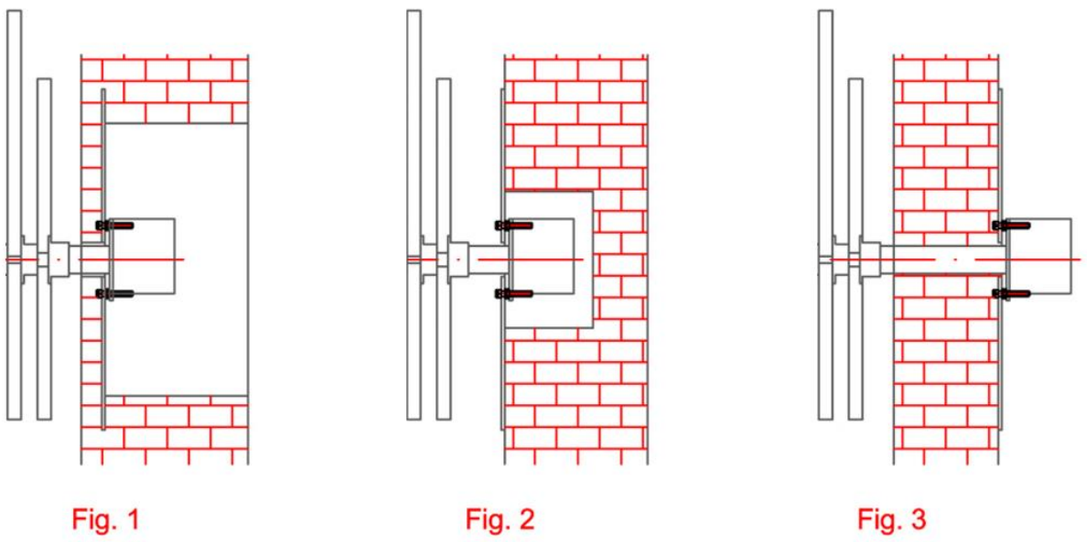
GPS Antenna

Specifications:

- Data standard: NMEA 0183, Data transmission: RS 485, 9600 baud rate, 1 stop bit, no parity
- Ingress Protection: IP67, Weatherproof: Yes
- Time Accuracy Absolute (With GPS signal) ≤ 0.1 s/d (at 25°C)
- Frequency 1,575.42±1.023MHz
- Receive Channels 16 channels in parallel, Tracking Satellites 12
- Start Time ≤ 12s (Warm start) ≤ 42s (Cold start), Re-capture Time 2s (Sheltering 10s)
- Antenna Interface BNC with 10 meters coaxial cable, Max. Wiring Length 1200 m
- Power Supply 220vac/50Hz Power Consumption ＜ 0.3 w
- Working Temperature 0°C ~ 50°C (Receiver) -30 ~ 85°C (Antenna)
- Working Humidity < 90% (Receiver) 20% ~ 95% (Antenna)
- Storage Temperature. -20°C ~ 60°C (Receiver) -40 ~ 100°C (Antenna)
- Mounting Wall surface or 19” rack mounting



Masterclock and GPS Time – Installation



Clock Movement – Installation