



Greeting

Dear Customers.

On behalf of our staffs, I would like to extend my warmest thanks to all those who have to date provided valuable support and patronage for our company in the past and I hope that we can initiate equally good relationships with new business associates.

As our ultimate target is to develop the products intelligent not satisfying with only functional, all our staffs will do their best to improve and develop advanced technology and skills steadily and reaffirm our determination to contribute to our customers.

Gun Wha Lee, President

Company Information

Since its founding in 1987, Han Seung Automatic has started to produce Counter for industrial use and we developed Limit Switch in 1997 by our own technology and constant research and development.

On the basis of technology and know- how accumulated during these supply, we have completed the design of various models of Timer Switch in 1999 for the first time in Korea and we take pride in 24 Hours Timer Switch, which can compete with any other brand internationally in both price and quality.

Under our management philosophy, "Quality Conrol is a secure footing of Company", the experienced and innovative staffs and engineers of our company will certainly come up with the best possible quality control and technical breakthrough in order to meet the customer's requirements.

A brief history

- 1987. 8. Established 'Han Seung Automatic'
- 1987. 9. Started to produce Magnetic Counter
- 1988. 4. Started to produce Digital Counter
- 1990. 5. Moved to expand factory
- 1996. 6. Developed 2 step Pre-setting Counter
- 1996. 6. Moved to expand factory
- 1997. 4. Developed Limit Switch
- 1999. 2. Developed Time Switch
- 1999. 2. Obtained CE Certificate for Time Switch
- 1999. 2. Developed Time Switch for memory retention
- 2000. 3. Developed Plug-in type Time Switch
- 2000. 5. Obtained a Certificate of ISO 9001
- 2001. 5. Developed Street Lamp Auto On/Off Switch
- 2001. 5. Obtained a Certificate of electric safety for Sun Switch
- 2001. 8. Developed photo-electric type of Auto Street Lamp
- 2001. 8. Obtained a Certificate of electric safety for Photo Sensor
- 2001. 9. Developed Digital Time Switch
- 2001. 10. Developed Digital Street Lamp Auto On/Off Switch
- 2002. 6. Become a member of Korea Illuminating Industry Cooperative
- 2002. 11. Moved to expand factory
- 2003, 12. Obtained a Certificate of Data processing and communication equipment for Wireless Alarming System
- 2004. 5. Obtained a Certificate of electric safety for Flug-in type Time Switch
- 2004. 6. Patent pending for Wireless Alarming System
- 2005. 7. Developed 25A Time Switch
 - Developed Switch Compact Movement
- 2007. 8. Developed Plug-in Type(FTS-24F) Time Switch
 - Developed Digital Time Switch SIT
- 2009. 2. Developed GPS Street Lamp Auto On/Off Switch
- 2009. 9. Developed Weekly Ligital Time Switch HIS-AT10, HIS-CT10

Global Han Seung Automatic

(€, ISO-9001

Weekly Digital Time Switch



HTS-AT10



HTS-CT10

Digital Time Switch



SIT-20



HDT-3030

Global Han Seung Automatic

(€, ISO-9001

Analog Timer



HTS-24A



HTS-24B



HTS-24S



HTS-24F



HTS-24D



HTS-24C



HTS-24R



HTS-24E



HTS-24TC



HTS-24TC 50

Automatic Street Lamp on/off Switch



HTS-24EMC



HTS-24GMC



HTS-24MCE



HTS-24PCE



HTS-HSW

Han Seung Automatic



Digital Time Switc



Din Rail Type(5Terminals)

MODEL: HTS-AT10 (Memory Retention Function)

Terminals: Input-2, Switch-3

- · Digital Timer programmable also with Korean language
- · Programmed the time schedule of sunrise and sunset for a whole year, 365 days
- · Memory retention function
- It is convenient to use the choice of funtion, Because it has been at tached the location of rotary Switch
- · Main Funtions setting: Weekly time, Weekly pulse, Annual timer, Weekly repition
- · Available On/Off 25 times per weekly



Plug-in Type

MODEL: HTS-CT10 (Memory Retention Function)

- · Digital Timer programmable also with Korean language
- · Memory retention function
- It is convenient to use the choice of funtion. Because it has been at tached the location of rotary Switch
- Main Funtions setting: Weekly time, Every Weekend OFF, 1st, 3rd Saturday and every Sunday OFF, 2nd 4th Saturday and every Sunday OFF
- · Available On/Off 10 times per weekly

Digital Time Switch







Digital Timer

MODEL: SIT-20A, SIT-30A, SIT-50A

- · Digital Timer programmable also with Korean language
- · Programmed the time schedule of sunrise and sunset for a whole year, 365 days
- · Control of outdoor lamp in the park, advertising panel and etc.
- · Memory Retention Function
- · Easy to check operation status with LCD and external LED
- · Available Off day
- · It is Convenient to use the Choice of Funtion, Because it has been at Tached the Location of Rotary Switch.
- Rated Voltage: AC 220V/60Hz
- Output Voltage

| OF 001 (0 1101) | Fluorescent Lamp (40W) | Neon Trans(1,5A) | Electric Wire Standard |
|-----------------|------------------------|------------------|------------------------|
| SIT-20A(2,4KW) | 40 ea | 10 ea | 3mm² |
| SIT-30A(3,6KW) | 60 ea | 15 ea | 6mm² |
| SIT-50A(6,1KW) | 90 ea | 22 ea | 10mm² |

■ Programmable Category: 1min

■ Operating Temp: 0°C~50°C

■ Ralative Humidity: 85%

Relay Junction type: RELAY

■ Dimension: 120mm×101mm×54.7mm

Dual Digital Timer

HDT-3030, HDT-5030 MODEL: for dual channel

- · Digital Timer programmable also with Korean language
- · Programmed the time schedule of sunrise and sunset for a whole year, 365days
- · Control of outdoor lamp in the park, advertising panel and etc.
- · Programmable dual channel respectively
- Memory Retention Function
- · Easy to check operation status with LCD and external LED
- · Available On/Off 8 times per day and setting holidays
- Rated Voltage: 220V AC
- Output Voltage (40W Fluorescent Lamp)

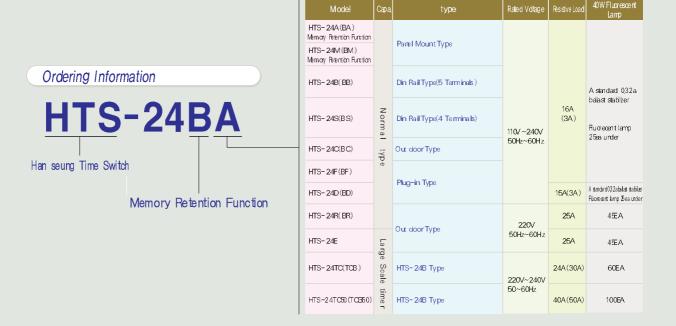
| Model) | Channel 1 | | Channel 2 | |
|------------|---------------|--------|---------------|------|
| IVIO de I) | Rated Current | Lamp | Rated Current | Lamp |
| HDT-3030 | 30A | 60EA | 30A | 60EA |
| HDT-5030 | 50A | 10 OEA | 30A | 60EA |

- Programmable category: In the mode of sunrise and sunset 1 min. In user mode 1 sec.
- Dimension: 120mm×123mm×54mm





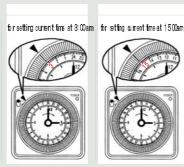


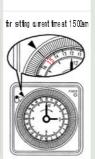


Setting a Present time & How To ON/OFF Setting

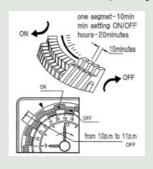


cover, turn the transparent guage clockwise and set current time to "▼" mark





Set segments 'On' by switching out as desired time and 'Off' by switching in,





AUTO SWTCH

the light will be on or off as per on/off switch,



• ON SWITCH

the light will be on regardsless on/off

Maximum Capactiy of Lamp of This Kids

| 16A | 15 EA | 25EA | 4EA | 1KW | 1KW | 2.0mm² |
|-----|--------|--------|-------|--------|--------|--------|
| 25A | 25EA | 45EA | 7EA | 1, 8KW | 1, 8KW | 3.0mm² |
| 30A | 60EA | 60EA | 15 EA | 3,6KW | 3,6KW | 6.0mm² |
| 50A | 10 OEA | 10 0EA | 22EA | 5,5KW | 5,5KW | 10mm² |





Junction Type

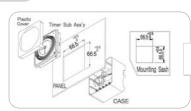
MODEL: HTS-24A(Nomal Type)

HTS-24BA(Memory Retention Function)

Terminals: Input-2, Switch-3

Dimen sion





HTS-24A(BA) Panel Mounting



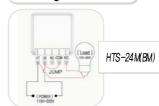
Junction Type

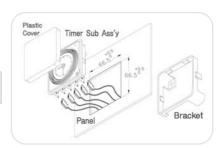
MODEL: HTS-24M(Nomal Type)

HTS-24BM (Memory Retention Function)

Terminals: Input-2, Switch-3

Wiring





HTS-24B(BB) Fixing on Plate



Din Rail Type(5Terminals)

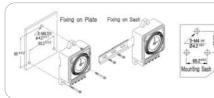
MODEL: HTS-24B(Nomal Type)

HTS-24BB (Memory Retention Function)

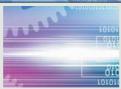
Terminals: Input-2, Switch-3

Dimension











Din Rail Type(4Terminals)

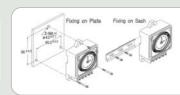
MODEL: HTS-24S (Nomal Type)

HTS-24BS(Memory Retention Function)

Terminals: Input-2, Output-2

Dimen sion





HTS-24 S(BS) (Fixing on Plate)





Outdoor Type(4Terminals)

MODEL: HTS-24C(Nomal Type)

HTS-24BC(Memory Retention Function)

Terminals: Input-2, Output-2

Dimen sion

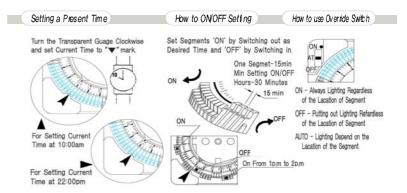






Plug-in Type

MODEL: HTS-24F(Nomal Type)
HTS-24BF(Memory Retention Function)





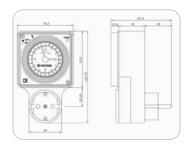


Plug-in Type

MODEL: HTS-24D(Nomal Type)

HTS-24BD(Memory Retention Function)

Dimen sion





Time Switch/Large Scale Timer



Outdoor Type(4Terminals)

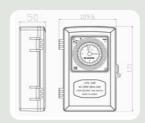
MODEL: HTS-24R(Nomal Type) Terminals: Input-2, Output-2 HTS-24BR(Memory Retention Function)

Rated Voltage : 220V (50Hz~60Hz)

Resistive Load : 25A

Junction Type : Relay Junction

Dimension





HAN SEUNG

MODEL: HTS-24TC(Nomal Type)
HTS-24TCB(Memory Retention Function)

Rated Voltage : Single Phase 220V~240V (60Hz)

Rated Current(Max) : 24A(30A)
 Junction Type : Magnet Junction
 Operating Temp. : -25℃~85℃
 Humidity : Below 90%RH
 Dimension : 168mm×223mm×85mm

Application of Lamp
 Max. 60EA (40W Fluorescent Lamp)

The Machine's Life can list long if you use it Below 80 Percents of the Capacity Trouble Witho



HAN SEUNG

MODEL: HTS-24TC50 (Nomal Type)
HTS-24TC50B(Memory Retention Function)

Rated Voltage : Single Phase 220V~240V (60Hz)

■ Rated Current(Max) : 40A(50A)

■ Junction Type : Magnet Junction

■ Operating Temp. : -25 ℃~85 ℃

■ Humidity : Below 90%RH

■ Dimension : 240mm×326mm×121mm

Application of Lamp : Max. 100EA (40W Fluorescent Lamp)

The Machine's Life can list long if you use it Below 80 Percents of the Capacity Trouble Witho

Automatic Street Lamp On/Off Switch







Electrinic Switch System

MODEL: HTS-24EMC

Summary

■ This system allows almanac programming input to give data and time—to—the second information for a full year.

Specification

| HTS-24EMC |
|----------------------------------|
| Single Phase AC200~240V, 50~60HZ |
| 6A(7A) |
| Relay Junction |
| −25°C ~+ 85°C |
| Below 90%RH |
| 130×197×82 |
| Korean |
| from -3 hours to +3 hours |
| |



GPS Electrinic Switch System

MODEL: HTS-24GMC

Summary

■ The GPS Flasher is a program which is Memorizing the sunrise and sunset about 365 days a year and it is easy and Convenient to work because of the indication of the setting on LCD Screen also it has the Module of Reception, so Conpensates the Current time Exactly.

Specification

| Model | HTS-24GMC | |
|-------------------------|----------------------------------|--|
| Rated Voltage | Single Phase AC200~240V, 50~60HZ | |
| Rated Current(Max) | 6A(7A) | |
| Junction Type | Relay Junction | |
| Operating Temp. | −25°C ~+ 85°C | |
| Humidity | Below 90%RH | |
| Dimension | 130×197×82 | |
| LCD | Korean | |
| The Redgulation of Time | from -3 hours to +3 hours | |



omatic Street Lamp On/Off Switch

Electronic Switching System

MODEL: HTS-24MCE



Photo-Electric Switching System

MODEL: HTS-24PCE



Sun-Switch

MODEL: HSW



Sum mary

This system allows almanac programming input to give data and timeto-the second information for a full year.

Specification 5

| Model | HTS-24MCE |
|-------------------------|----------------------------------|
| Rated Voltage | Single Phase AC200~240V, 50~60HZ |
| Rated Current(Max) | 6A(7A) |
| Junction Type | Relay Junction |
| Operating Temp | −25°C ~+ 85°C |
| Humidity | Below 90%RH |
| Dimension | 13 0×197×82 |
| LCD | Korean |
| The Redgulation of Time | from -3 hours to +3 hours |

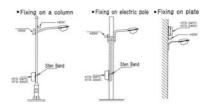
Sum mary

■ This Photoelectric On/Off Switch for a Security Lamp is a type of selective light shading and as assembled with circuit breaker in a compact case, it is very convenient to install, maintain and repair

Specification

| Model | HTS-24PCE |
|--------------------|----------------------------------|
| Safety Certificate | HC02003-1002A |
| Rated Voltage | Single Phase AC200~240V, 50~60HZ |
| Rated Current(Max) | 6A(7A) |
| Junction Type | Relay Junction |
| Operating Temp. | −25°C ~+85°C |
| Humidity | Below 90%RH |
| Dimension | 13 0×197×82 |

Establishment a method



Specification

| Model | HSW |
|---------------------------|-----------------------|
| Safety Certificate | HC02003-1001A |
| Rated Voltage | AC220V, 50~60HZ |
| Voltage Range | AC200~24 0V |
| Switch Energy Consumption | Below 10mA |
| Rated Current | AC 220V, 6A (Max. 7A) |
| Junction Type | Relay Junction |
| Operating Temp, | −25°C ~+85°C |
| Humidity | Below 90%RH |

License & Certificate



















License & Certificate



















Head office : #293-3, Hyomok-2Dong, Dong-Gu

Daegu, Korea

TEL. +82-53-745-4720 FAX. +82-53-745-4726 Web page: www.hsa2000.co.kr E-mail: hsa@hsa2000.co.kr