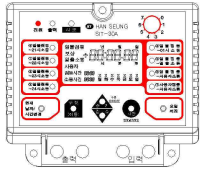
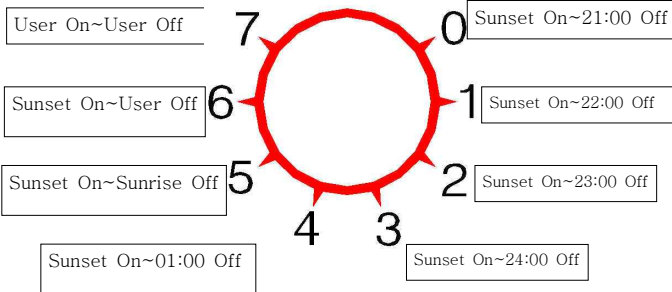


※Make sure to read this operating manual before use for your safety and proper use.



- SIT-20A
- SIT-30A
- SIT-50A

Operating Manual



※Press the "Reset" button and reset the date/time when the LCD screen is not displayed at the first installment.

⚠Warning Especially never use it where safety and property is in risk.



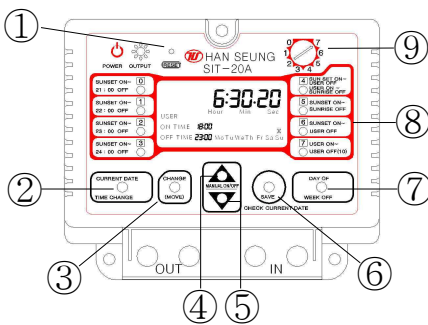
SIT-20A/30A/50A DIGITAL TIMER

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SIT-20A/30A/50A DIGITAL TIMER

2. Descriptions of parts



- ① Reset button: User change delete and back to factory settings.
- ② Current date/time change button: To reset current date/time.
- ③ ■ Change(move) button: To change set data or move.
- ④ ▲ Increase button: Increase value when changing. (Manual ON/OFF at initial display)
- ⑤ ▼ Decrease button: Decrease value when changing.
- ⑥ ● Save button: Save data after changing. (Current date check at initial display)
- ⑦ Day of week Off button: To turn off at specific day of week.
- ⑧ Function indication: Selected function indication through the lamp.
- ⑨ Function select switch: Switch dial from ①~⑦ to select function.

SIT-20A/30A/50A DIGITAL TIMER

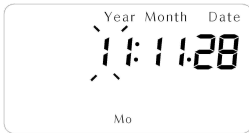
3. Convenient Functions

- 1) Functions can be selected without special changes with the "function select switch".
- 2) At the initial display(current time), manual forced ON/OFF is possible with "▲increase" button. (It will operate as set 1 day after forced ON/OFF)
- 3) At the initial display(current time), current date is displayed by pressing "●save" button. (It re-returns to initial display after 5 seconds)
- 4) It will return to initial display(current time) after 1 minute of no change when changing internal data.
- 5) 1year 365 days sunset, sunrise(Seoul time) time is built in.
- 6) It can turn off on days not in business with day of week Off function.
- 7) Factory setting is "sunset On~22:00 Off".

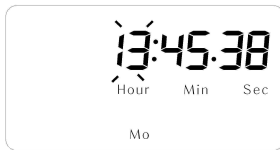
SIT- 20A/30A/50A DIGITAL TIMER

4.Changing Current Date/Time

☞Data and internal clock is maintained by the power shortage recovery function.



- 1) Press "current date/time change" button.
- 2) Change year with "▲";"▼" and press "■move".
- 3) Change month with "▲";"▼" and press "■move".
- 4) Change date with "▲";"▼" and press "■move".
(current day of week is automatically set when current date is set)



- 5) Change hour with "▲";"▼" and press "■move".
- 6) Change minute with "▲";"▼" and press "■move".
- 7) Change second with "▲";"▼" and press "●save".

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SIT-20A/30A/50A DIGITAL TIMER

5. Changing Day of Week Off

(specific day of week Off)

☞Day of week off is unset in factory setting.



- 1) Press "day of week off" button.
- 2) Press "■move" button and move to desired day of week.



- 3) Press "▲";"▼" and change the status of the day of week and press "●save" button.

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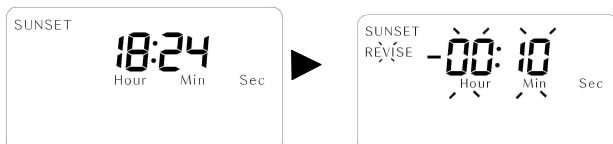
SIT-20A/30A/50A DIGITAL TIMER

6-0) Sunset On~21:00 Off



☞Move upper right function select switch to "0".

※When compensation of sunset time according to location/environment is needed



- 1) "⓪" lamp blinks when "■change" button is pressed.
- 2) Press "■change" after confirming sunset On time.
- 3) Press "●save" after changing compensation time with "▲";"▼" (±120 minutes)

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SIT-20A/30A/50A DIGITAL TIMER

6-1) Sunset On~22:00 Off



☞Move upper right function select switch to "1".

※When compensation of sunset time according to location/environment is needed



- 1) "①" lamp blinks when "■change" button is pressed.
- 2) Press "■change" after confirming sunset On time.
- 3) Press "●save" after changing compensation time with "▲";"▼" (±120 minutes)

7

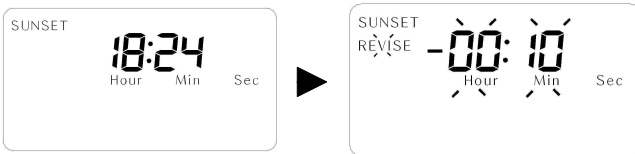
SIT-20A/30A/50A DIGITAL TIMER

6-2) Sunset On~23:00 Off



↳ Move upper right function select switch to "2".

※ When compensation of sunset time according to location/environment is needed

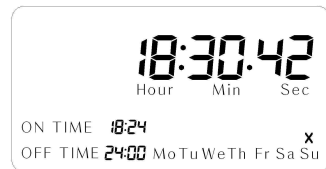


- 1) "2" lamp blinks when "change" button is pressed.
- 2) Press "change" after confirming sunset On time.
- 3) Press "save" after changing compensation time with "▲", "▼" (±120 minutes)

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SIT-20A/30A/50A DIGITAL TIMER

6-3) Sunset On~24:00 Off



↳ Move upper right function select switch to "3".

※ When compensation of sunset time according to location/environment is needed



- 1) "3" lamp blinks when "change" button is pressed.
- 2) Press "change" after confirming sunset On time.
- 3) Press "save" after changing compensation time with "▲", "▼" (±120 minutes)

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SIT-20A/30A/50A DIGITAL TIMER

6-4) Sunset On~User Off, User On~Sunrise Off



↳ Move upper right function select switch to "4".

※ When compensation of sunset time according to location/environment is needed



- 1) "4" lamp blinks when "change" button is pressed.
- 2) Press "change" after confirming sunset On time.
- 3) Press "save" after changing compensation time with "▲", "▼" (±120 minutes)

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SIT-20A/30A/50A DIGITAL TIMER

6-5) Sunset On~Sunrise Off

↳ Move upper right function select switch to "5".

※ When compensation of sunset time according to location/environment is needed



- 1) "5" lamp blinks when "change" button is pressed.
- 2) Press "change" after confirming sunset On time.
- 3) Press "move" after changing compensation time with "▲", "▼" (±120 minutes)



- 4) Press "change" after confirming sunrise Off time.
- 5) Press "save" after changing compensation time with "▲", "▼" (±120 minutes)

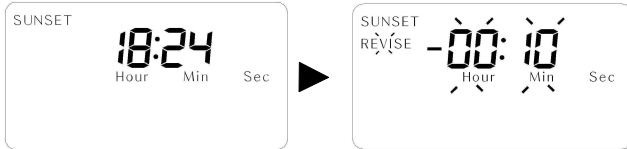
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6-6) Sunset On~User Off

↳ Move upper right function select switch to "6".

※ When compensation of sunset time according to location/environment is needed



- 1) "6" lamp blinks when "change" button is pressed.
- 2) Press "change" after confirming sunset On time.
- 3) Press "move" after changing compensation time with "▲", "▼" (±120 minutes)



- 4) Change user Off hour with "▲", "▼" and press "move".
- 5) Change user Off minute with "▲", "▼" and press "save".

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SIT-20A/30A/50A DIGITAL TIMER

6-7) User On~User Off (10times)

↳ Move upper right function select switch to "7".



- 1) "7" lamp blinks when "change" button is pressed.
- 2) Change user On hour with "▲", "▼" and press "move".
- 3) Change user On minute with "▲", "▼" and press "move".

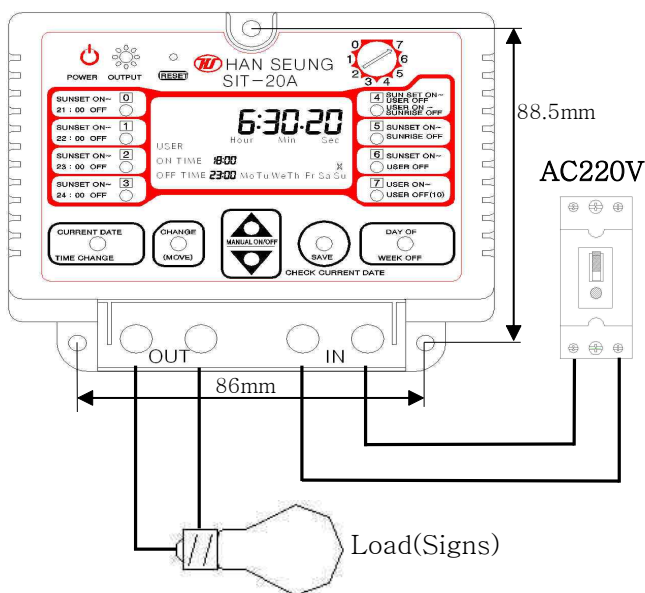


- 4) Change user Off hour with "▲", "▼" and press "move".
 - 5) Change user Off minute with "▲", "▼" and press "save".
- ※ Press "Menu/Move" for multiple settings.

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SIT-20A/30A/50A DIGITAL TIMER

7. Wiring Diagram



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SIT-20A/30A/50A DIGITAL TIMER

8. Specifications

Model	SIT-20A	SIT-30A	SIT-50A
Rated Voltage	AC220 / 60Hz		
Resistive Load	20A(2.4kW)	30A(3.6kW)	50A(6.1kW)
Fluorescent Lamp (40w)	40ea	60ea	90ea
Neon Trans(0.73A)	10ea	15ea	25ea
min setting ON/OFF hours	1minutes		
Operating Temp	-10℃ ~ 60℃		
Relative Humidity	Below85%		
Relay Junction	RELAY		
Dimension	W(120) x D(101) x H(54.7)mm		

- ※ Do not directly connect electric heater and the motor load. Use magnetic connector for connection.
- ※ Use **under 80%** of the rated load for long lifetime use without malfunction.

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9.CAUTION

- 1) Thank you purchasing this DIGITAL TIMER.
- 2) Make sure to read the operating manual before installation for safety and proper use.
- 3) This product is intended for automatic light On/Off of signs or pedestrian lights.
- 4) **Never use this product where safety and property damage is in risk** because this product may malfunction caused by various reasons..
- 5) Install this product indoors where it is not damped and where proper ventilation is possible. It is not usable where it is exposed directly to water.
- 6) Keep out of reach of children.
- 7) **The manufacturer is not responsible for problems caused by customer negligence when modified or disassembled by the customer.**
- 8) Make sure to connect input power supply through appropriate capacity circuit breaker and electric leak breaker.
- 9) **Make sure to attach magnetic contactor separately when load capacity is higher than rated capacity.**
- 10) Fasten I/O terminals where wires are connected.

10.WARRANTY

◆ This DIGITAL TIMER has been inspected and quality managed thoroughly.

- 1.The manufacturer will repair free of charge when contacted within 18 months of manufactured date in case of malfunctions during normal operation or manufacturing defects.
- 2.Exception: Customer will be charged for repairs within warranty period in case of following conditions.
- 3.This Operating Manual will not be re-issued and should be well kept .

Charged Customer Service

- 1.After warranty period.
- 2.Malfunction or damage caused by customer negligence within warranty period.
- 3.Malfunction caused by improper handling.
- 4.Malfunction caused by natural disasters.
- 5.Product repaired and modified or damaged by other than the employee of the manufacturer.

Notes

Customer service is everything.

Customer service call

Refer to the operating manual prior to calling for customer service. Please indicate model name, malfunction symptoms and customer details (address, name, telephone no, product location)



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