

## 2.6 DST301BA61 Schedule Timer

Enables you to connect and control weekly schedules for up to 128 indoor units.

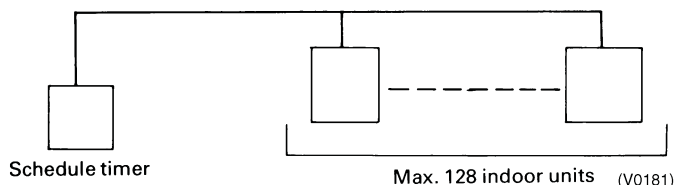


- Simultaneous control of up to 128 indoor units is managed by a week schedule.
- The start and stop time for twice a day can be set for the week in increments of 1 minute.
- By combining with a central remote controller and schedule timer, you can construct a system that matches the size and use of the building.
- If used together with a central remote controller, you can set up to 8 schedule patterns that can be distributed among zones using the central remote controller.
- Is equipped with a compensation function for power failure up to 48 hours.
- Features thin design of a mere 5/8" in thickness using JIS recessed box for 2.
- Applicable wiring methods include bus and star in addition to crossover type.
- Can be used in combination with other D-BACS equipment.

### 2.6.1 System Configuration and Electric Wiring

With a schedule timer, you can set on/off time twice a day in time increments of 1 week for up to 128 indoor units.

- System Configuration



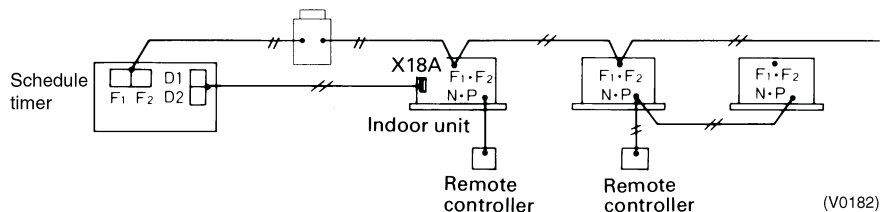
If using the schedule timer alone, you don't have to set the centralized control group number.

- Transmission Wiring

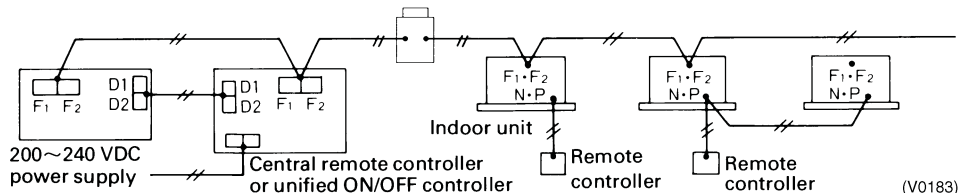
#### Indoor Unit Wiring:

1. If using the schedule timer alone:

- For the schedule timer's power supply, connect the schedule timer (D1, D2) with the connector (X18A) on the indoor unit PC board by crimped style terminal with the attached electrical wire.



2. If using in combination with other optional controllers for centralized control:



Transmission wiring for control: AWG 18 , 2-conductor, stranded, non-shielded copper cable / PVC or vinyl jacket, Max. 3280 ft (Total Max. 6560 ft)

**Transmission Wiring Connection Example: 1 series wiring, 2 bus wiring, and 3 star wiring are the same style as the central remote controller.**

2.6.2 Names and Functions DST301BA61

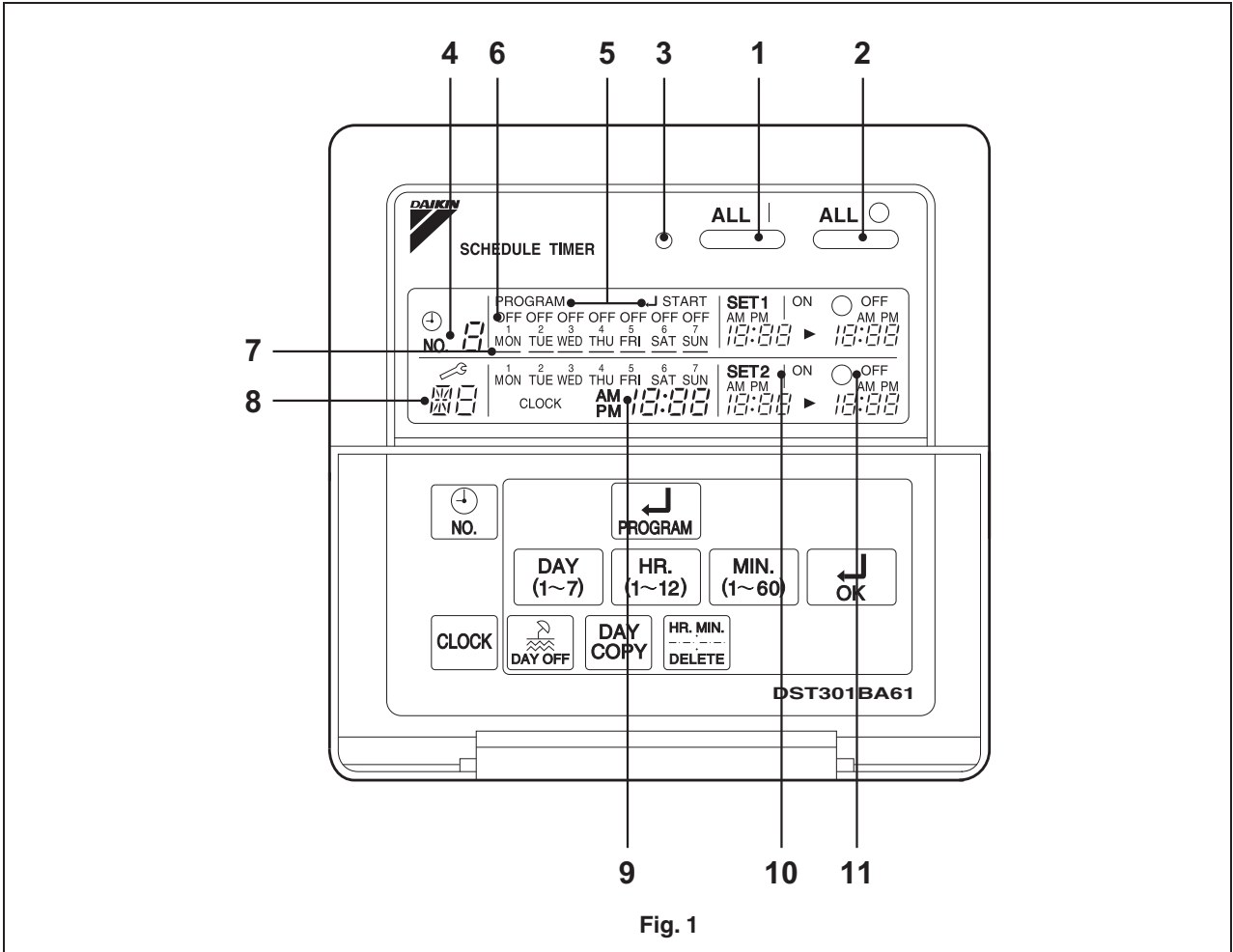


Fig. 1

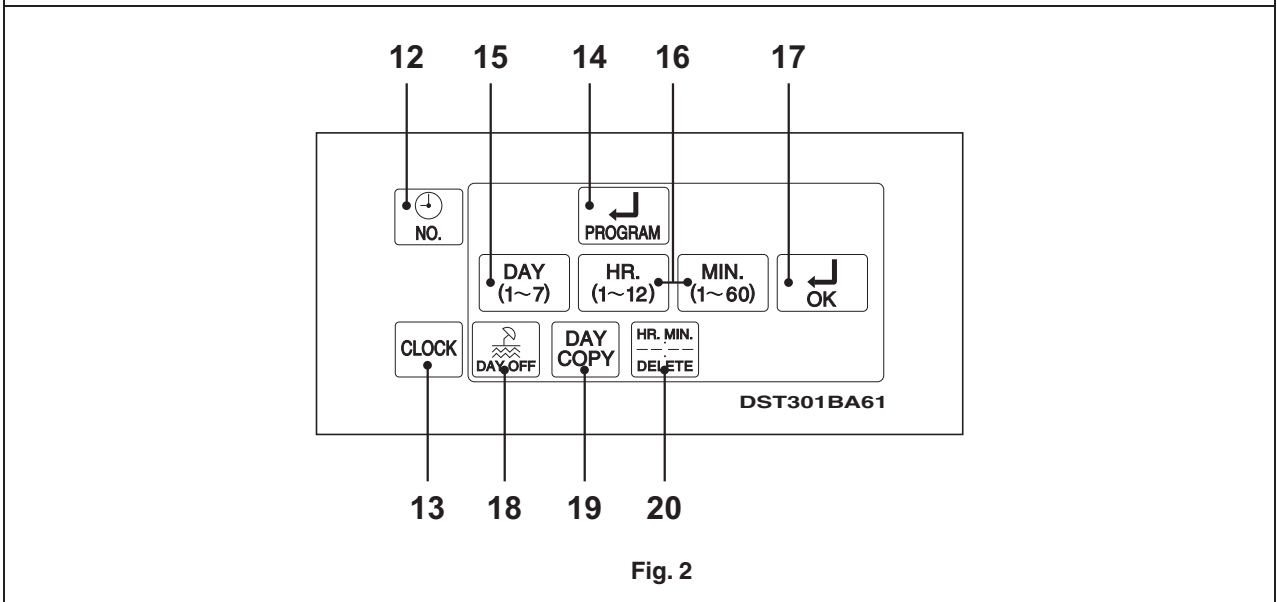




















Fig. 2

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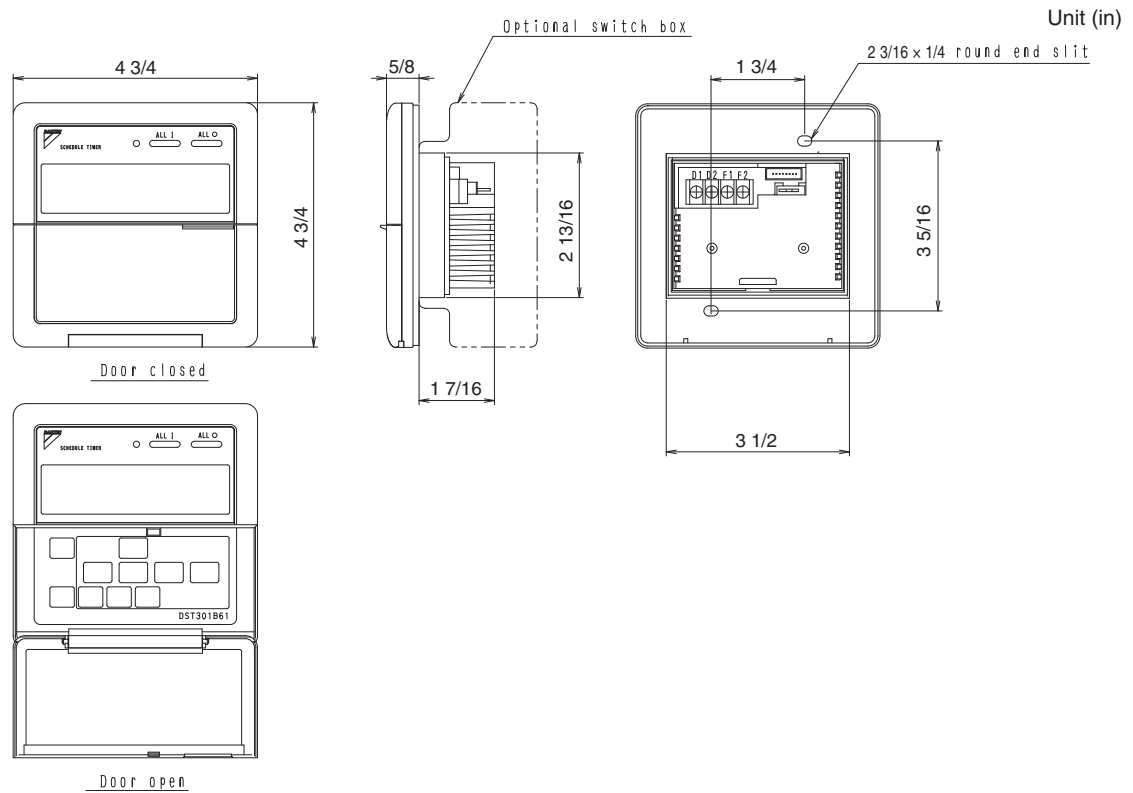
1	<b>UNIFIED OPERATION BUTTON</b> 
	Press to perform the unified operation regardless of the programmed time.
2	<b>UNIFIED STOP BUTTON</b> 
	Press to perform the unified stop regardless of the programmed time.
3	<b>OPERATION LAMP (RED)</b>
	The light turns on during the operation of the indoor unit.
4	<b>DISPLAY</b>  <b>TIME No.</b>
	Displays the time number only when used in conjunction with the central remote controller.
5	<b>DISPLAY PROGRAM</b>  <b>START.(PROGRAMMING START)</b>
	The light turns on when the timer is programmed.
6	<b>DISPLAY OFF For HOLIDAY SETTING</b>
	Lights above the day of the week set as holiday. The operation controlled by timer is not available on that day.
7	<b>DISPLAY [—] (SETTING OF DAYS OF A WEEK)</b>
	Flashes below the day of the week programmed.
8	<b>DISPLAY</b>  <b>(MALFUNCTION CODE)</b>
	Displays the contents of malfunction during the stop due to malfunction.
9	<b>DISPLAY</b>  <b>(PRESENT TIME)</b>
	Displays the present day of the week and time.
10	<b>DISPLAY</b>  <b>PROGRAMMED TIME OF SYSTEM START</b>
	Displays the time programmed to start.
11	<b>DISPLAY</b>  <b>PROGRAMMED TIME OF SYSTEM OFF</b>
	Displays the time programmed to stop.
12	<b>TIME NO. BUTTON</b> 
	Press to select time schedules.
13	<b>CLOCK ADJUSTING BUTTON</b> 
	Press this button to set the present time.
14	<b>PROGRAMMING START BUTTON</b> 
	Press to set or check the programmed time. Press it again after you are through with the program.

15	<b>BUTTON FOR SELECTING DAYS OF A WEEK</b> 
	Press to select the day of the week.
16	<b>HOUR/MINUTE BUTTON</b>  
	Press to adjust the present time and the programmed time.
17	<b>TIMER ON BUTTON</b> 
	Press to set the present time and the programmed time.
18	<b>HOLIDAY SETTING BUTTON</b> 
	Press to set holidays.
19	<b>BUTTON FOR COPYING PROGRAM OF PREVIOUS DAY</b> 
	Use this button to set the No. of programmed time same as that of the previous day.
20	<b>PROGRAM CANCELING BUTTON</b> 
	Use this button to set the programmed time to cancel. The display shows [ -- ; -- ]
<p>Note:</p> <p>Please note that all displays are simultaneously shown in the figure to illustrate available options.</p>	

## 2.6.3 Dimension

### Schedule Timer

#### ■ DST301BA61

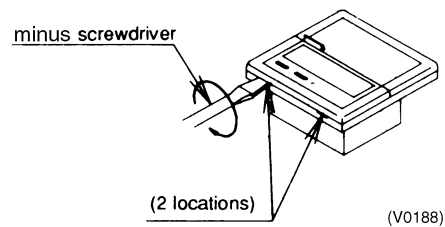


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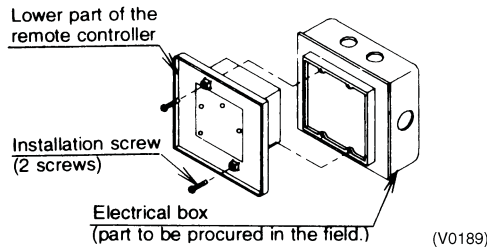
## 2.6.4 Installation and Initial Setting

### 1. Remove the upper part of the remote controller.

- Insert a minus screwdriver (2 locations) into the recess between the upper part and the lower part of the remote controller and turn the screwdriver lightly. The PC board is attached with the upper part of the remote controller. Do not damage electric parts with a screwdriver or other tools.



- Attach the lower part to the electrical box (part to be procured in the field) with the provided installation screws. Select a flat face as an installation place. Do not tighten the installation screws excessively or it might damage the lower part of the remote controller.



For electrical box, use part number KJB211A (optional accessory).

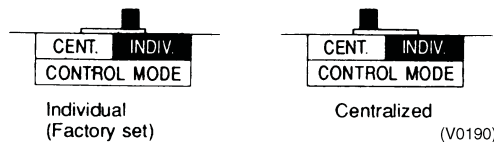
## 2. Initial Setting

### 1. Setting connector for individual use (X1A): Factory set : OFF -- Set for individual use only

- **For individual use of schedule timer**  
Insert the connector attached with the body case on the PC board.
- **For combined use with other optional controllers for centralized control**  
Do not change the factory setting.

### 2. Control mode selector (SS2): Set for individual use only

By changing the switch, setting mode of individual and centralized operation is available.



#### Note:

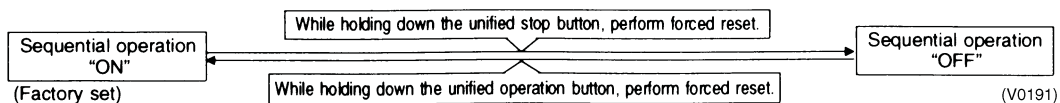
When used with other optional controllers, control mode of central remote controller and the unified ON/OFF controller take priority.

### 3. Setting of the sequential operation function

The schedule timer is equipped with a sequential operation function that sequentially turns indoor units on in 2-second intervals during unified operation.

Sequential operation is factory set to ON.

To switch sequential operation ON or OFF, set as follows.

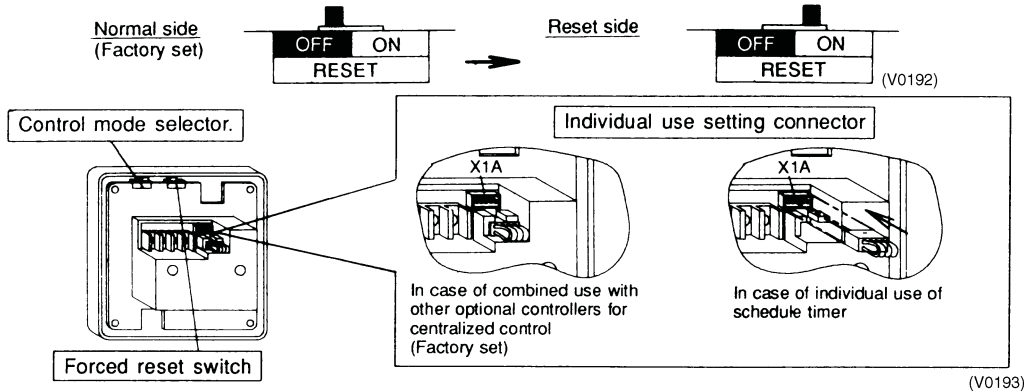


#### Note:

The sequential operation function is designed to reduce the load on the power supply equipment, but does not guarantee that compressors will not start simultaneously. You cannot count on a capacity reduction effect by power supply equipment breaker selection.

**4. Forced Reset Switch (SS1)**

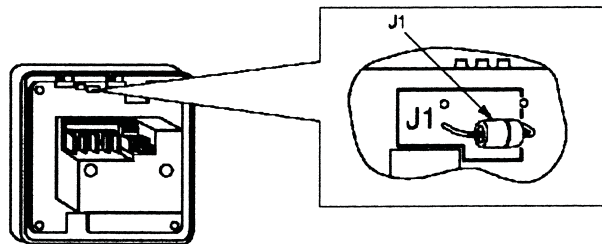
When changing the setting of the connector for individual use, the switch can be reset simply by setting it to the reset side once and returning to the normal side. This procedure enables to reset without turning off the power. Set the normal side at normal operation.



**5. Setting for special function**

When you want to have programmed operation for some functions of indoor units by using only the schedule timer, cut off J1 and supply the power again.

You can have a programmed operation of the indoor units. Set the address for central control by local remote controller.



**3. Transmission Wiring**

- **In case of individual use of schedule timer, take the following action:**
- Connect terminals of the schedule timer (F1, F2) with terminals of the indoor unit (F1, F2). Connect terminals of the schedule timer (D1, D2) and the connector on the indoor unit PC board, using the attached electric wire and crimp style terminals. Prevent the connection part of crimp style terminal from hanging outside the electric parts box. **In case of combined use with other optional controllers for centralized control, take the following action:** Connect terminals of the schedule timer (F1, F2, D1, D2) and the terminals of the central remote controller or unified ON/OFF controller.

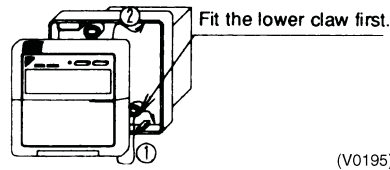
**Wiring Specifications**

	F1, F2	D1, D2
Wiring	2-conductor, stranded, non-shielded copper cable / PVC or vinyl jacket	2-conductor, stranded, non-shielded copper cable / PVC or vinyl jacket
Gauge	AWG18	AWG18
Length	Max. 3280 ft. (1000 m)	Max. 492 ft. (150 m)

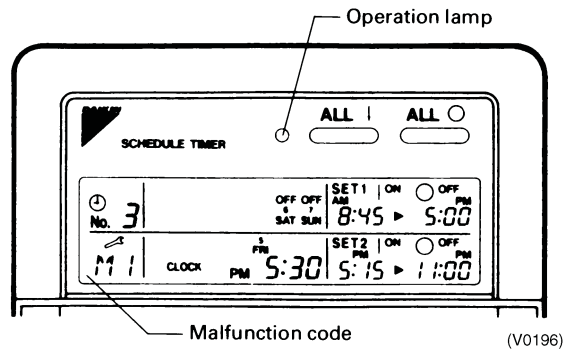
**NOTES:**

1. Electrical box and transmission wiring are not attached.
2. Do not touch the PC board with your hand.
3. Keep transmission wiring at least 2 inches away from power supply wiring to prevent malfunctions.

#### 4. Install the Upper Part of the Remote Controller as before.



#### 2.6.5 Error Diagnosing Function



This schedule timer is provided with the malfunction-diagnosing function. The malfunction code flashes if there are any communication malfunctions between the optional controllers for centralized control. In addition, the operation lamp also flashes if there are any malfunctions with the indoor unit. Check the display and contact your DAIKIN dealer to report the trouble area indicated.

Operation Lamp	Malfunction Code	Malfunction
Turn Off	M1	Failure of PC board of schedule timer
Turn On or Off	M8	Malfunction of transmission between each optional controller
Turn On or Off	MA	Improper combination of optional controllers
Turn On or Off	MC	Address failure of schedule timer
Flash	UE	Malfunction of transmission between indoor unit and optional controllers
Flash	—	Malfunction in indoor unit: Refer to the malfunction codes of the indoor remote controller, and read the accompanying <b>CAUTION FOR SERVICING</b> manual.