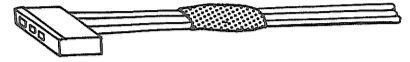


## TIMER ADAPTER INSTRUCTION MANUAL

### 1. OVERVIEW

This is an interface cable for connecting external timer circuit or connection of switch circuit and remote controller when the air conditioner is to be operated by timer, remote ON-OFF switch or turning the power ON-OFF. Various operating modes can be applied depending on the external circuit (field wiring) connection method.



### 2. PARTS TO BE LOCALLY ARRANGED

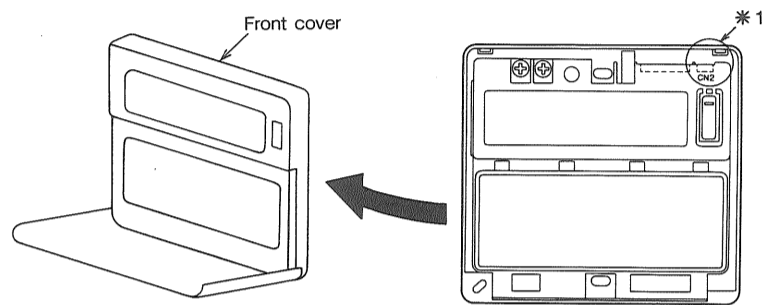
All parts except the timer adapter such as timer, switch, relay, etc. are to be locally arranged.

#### Parts specifications

- (1) Timer ..... Non-voltage contact output timer (separate circuit for power and switch)
- (2) Switch ... Single pole single ON switch.  
**NOTE:** Select a switch of minimum current contact since only about 5V DC 1mA load apply to the contacts of timer and switch.
- (3) Relay ..... Single pole single ON relay.  
**NOTE:** Used for wiring work to be carried out based on "wiring precautions" described in item 5.

### 3. REMOTE CONTROLLER SIDE CONNECTION

- (1) Remove the front cover of remote controller.
- (2) Plug in the timer adapter connector side to the 3-pin connector(\*1) of remote controller. Use care since the connector is directional which prevents reverse direction plugging.
- (3) Attach the front cover.



### 4. FIELD WIRING PROCEDURE

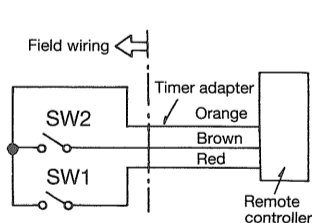
#### (1) Basic connection procedure and actions.

This timer adapter enables to select various operating modes such as timer operation, remote ON-OFF operation and power ON-OFF depending on the connecting circuit method of the field wiring.

■ Figure below shows the basic connection. SW1 is the external operation switch and SW2 is a selector switch for remote controller operation switch and external operation switch (SW1).

■ When selector switch (SW2) is opened operation switch of the remote controller can be used but the external operation switch (SW1) is unusable. In other words regardless the ON-OFF status of external operation switch (SW1) the air conditioner unit can be turned ON or OFF by the remote controller operation switch.

■ When selector switch (SW2) is closed remote controller operation switch is unusable but the external operation switch (SW1) can be used. The air conditioner operated when the external operation switch (SW1) is ON, and stops when OFF. In this case starting or stopping the unit with remote controller is not possible. With the above basic actions following are some use examples.

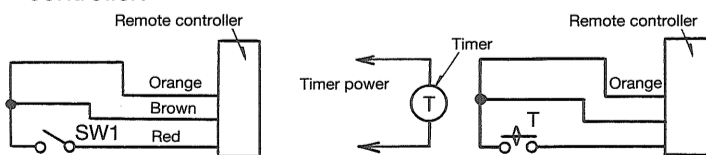


		SW2 (Change-over switch: Remote ON-OFF/Individual Control)	
Operation mode by remote ON-OFF switch		ON	OFF
SW1 Remote ON-OFF Switching	ON (Start)	Remote ON-OFF control by remote ON-OFF switch	Individual control by each remote controller
	OFF (Stop)	Start Together * 1	Enable operation by each remote controller

\*1. After starting all units together, if SW2 is turned OFF, each unit can be individually stopped by its own remote controller.  
\*2. After stopping all units together, if SW2 is turned OFF, each unit can be individually started by its own remote controller.

#### (2) Use example

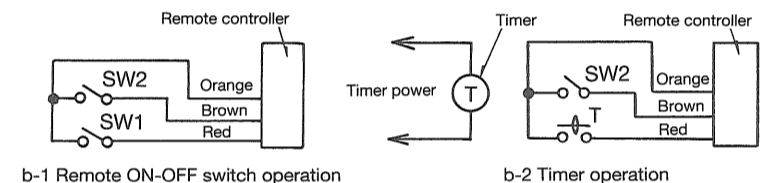
- a) When ON-OFF of the unit is to be done only by remote ON-OFF switch or timer disallowing ON-OFF by remote controller.



a-1 Remote ON-OFF switch operation

a-2 Timer operation

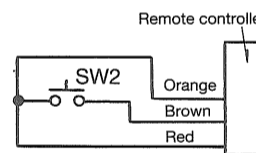
- b) If both remote ON-OFF switch or timer and remote controller are to be used equally for ON-OFF of the unit.



b-1 Remote ON-OFF switch operation

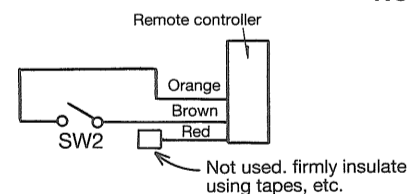
b-2 Timer operation

- c) If the unit is to start from the remote ON-OFF switch but allowing free ON-OFF from the remote controller thereafter.



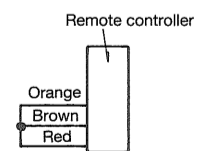
**NOTE** Use momentary switch (manual operation automatic return switch) for SW2. pushing SW2 starts operation. Thereafter stop or restart can be done by the remote controller.

- d) When able-disable of remote controller operation is to be handled from a distance.



**NOTE** If SW2 is ON remote controller operation will be disabled, and OFF allows operation.

- e) For start-stop by power supply circuit breaker (power ON-OFF control).



**NOTE** In all cases there will be 5 to 6 seconds time delay for the unit to start operation command is output.

### 5. WIRING PRECAUTIONS

Total length of field wiring and timer adapter wiring should be 33 feet (10 m) maximum. If longer distance wiring is required use the relay mentioned in 2. (3) above.

