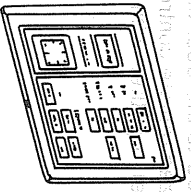
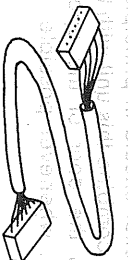
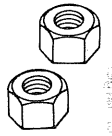

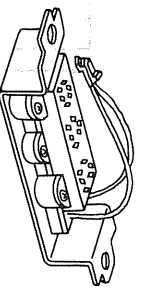


PROGRAM TIMER INSTALLATION MANUAL

- Applicable models

Models with type "K" control

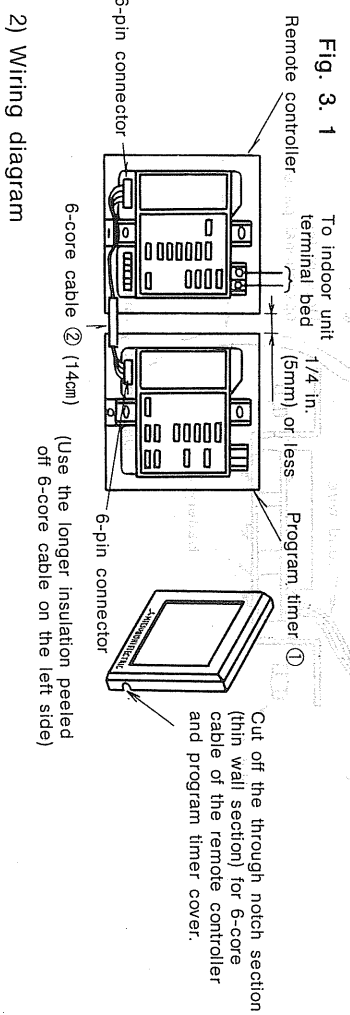
- This box contains the below listed parts in addition to this installation manual. Check each item before use.

① Program timer X1	② 6-core cable X2	③ Screw X2	④ Nut X2	⑤ Operation manual ... X1	⑥ Battery case X1
	 Length: 5-1/2 in (14cm) X1 : 47-1/4 in (1.2m) X1	③ Wood screw X2 ④ Screw (M4X0.7X16) X2	 M4NUT		

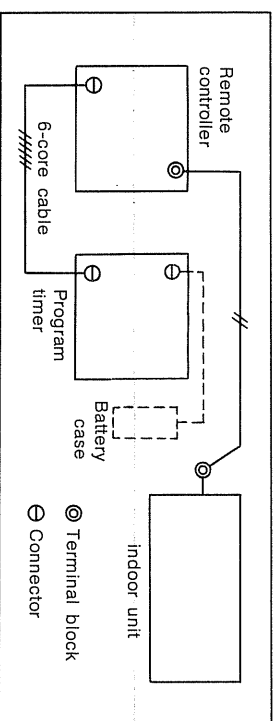
3. Connection method

Connection method of remote controller and program timer.

- Connect the remote controller and program timer ① with the 6-core cable ② (14cm).



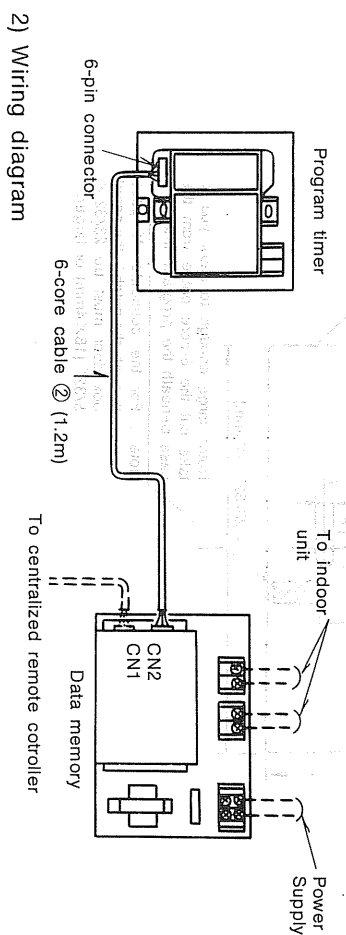
- Wiring diagram



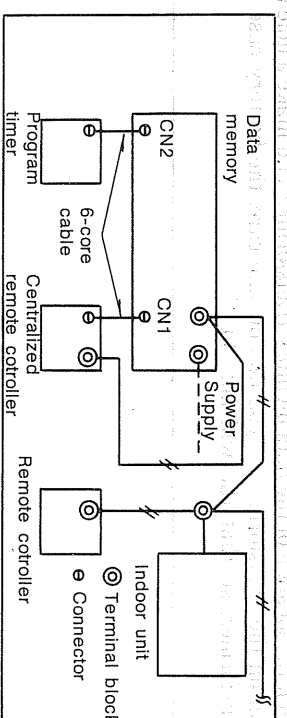
NOTE The remote controller and program timer can be either left or right but the 6-core cable ② (14cm) must be used with the longer peeled off section on the left side.

Connection method of centralized remote controller and program timer.

- Connect the centralized remote controller and program timer ① with the 6-core cable ② (1.2m).



- Wiring diagram

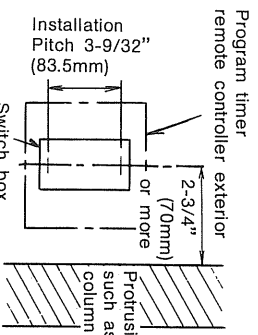


4. Installation method

This program timer backs up the clock function with battery at power failure. Use a switch box when battery back up is to be used.

- When using a switch box (for battery back up)

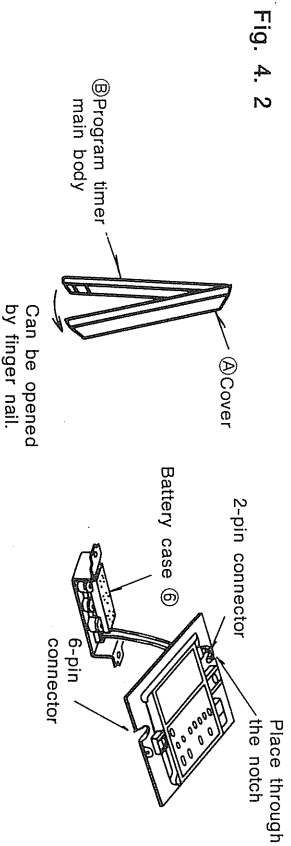
A. Parts required for field arrangement



NOTE
When a switch box is to be installed, leave open space as shown at left since it may not be possible to install the remote controller right next to a protrusion such as a column. Furthermore, if it is to be combined with a remote controller, make the installation with at least 1/4 in (5mm) distance between the remote controller and program timer so as to provide space between the remote controller mounting switch box as shown in Fig. 3. 1

B. Installation

- Remove the cover ① and connect 6-core cable ② (14cm) to the 6-pin connector of program timer. If battery back up is to be used for the clock at power failure connect connector of battery case ③ with the 2-pin connector available at the program timer main body ④



- Direct wall mounting (battery back up is not possible.)

A. Preparation

- Remove the covers of both remote controller and program timer, then cut off the through notch section (thin wall section at lower left and right) for 6-core cable of cover.

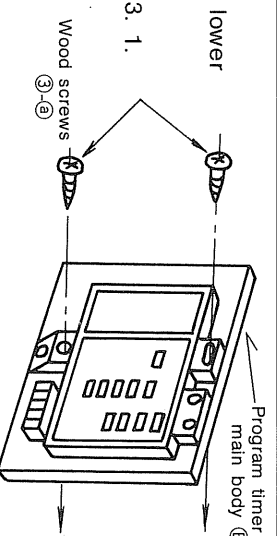
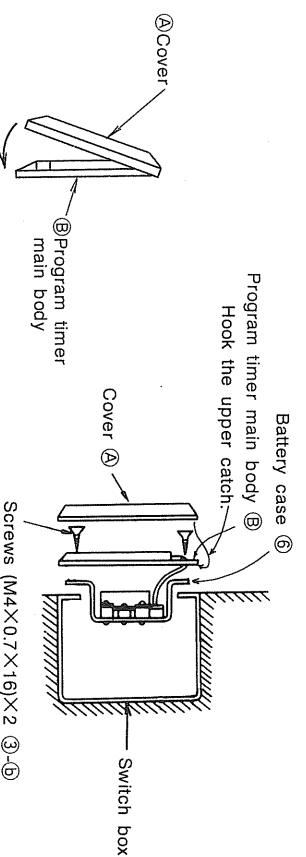
B. Installation

- Attach program timer main body ③ to the wall using 2 wood screws ③-④. With regard to mounting position see Fig. 3. 1.
- Connect 6-core cable ② as shown in Fig. 3. 1 & 3. 2.
- Attach covers to the remote controller main body and program timer main body. Use care so as the cable is not caught in the notched section.

○ If this program timer is to be used in combination with a remote controller, cut off the through notch section (bottom left and right thin wall section) for 6-core cable for both the remote controller and program timer. (See Fig. 3. 1)

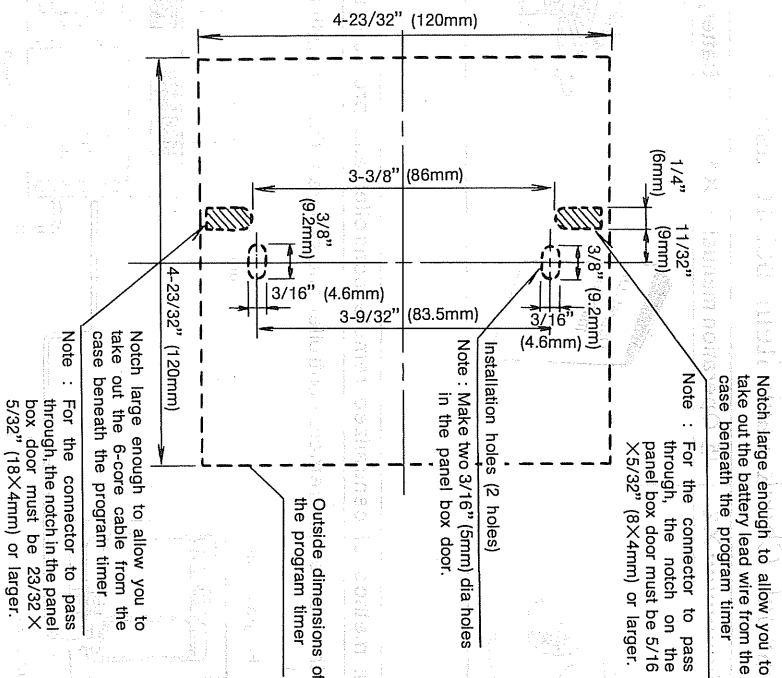
○ Connect the 6-core cable ② (14cm) to the 6-pin connector of remote controller as shown in the Fig. 3. 1 & 3. 2.

B.2 After placing battery case ③ in position, as shown in the Fig. below, hold the battery case ③ mounting metal between the program timer main body ④ and switch box, secure it to the switch box with screws together with program timer main body ④ and battery case ③, then insert the cover ① into the program timer main body ④ in the direction indicated by an arrow.



3) When Combined with the Centralized Remote Controller on the Door of the Operation Panel (as Combined with the Centralized Remote Controller)

- (A) Set up
 Make a hole (23/32 X 5/32" (18 X 4 mm)) for taking out a 6-core cable, a hole (5/16 X 5/32" (8 X 4mm)) for taking out a battery lead wire, and a hole (3/16" (5mm) dia) for a fixing screw according to the left-hand figure below, on the door of the operation panel, at the place where the program timer will be installed.
 Pass the 6-core cable ② (1.2m) through the notch in the lower portion of the body ③, and the lead wire from the battery ⑤ through the notch in the higher portion of the body ③.



NOTE If you wish to use a panel box with an effective depth of less than 4-17/32" (15mm), check the location of the data memory transformer, and make a hole in a place other than on the transformer. If you do not take care, the battery case may touch the transformer, so that the will not shut.

- (B) Installation Method
 (1) Pass a 6-core cable ② (1.2m) and a lead wire from the battery ⑤ through a specified hole in the door of the operation panel.
 (2) Sandwich the door of the operation panel between the program timer main body ③ and the battery ⑤, and fix it with the screws and nuts furnished. (See the figure below.)
 (3) Connect the lead wire of the battery ⑤ and the 6-core cable ② (1.2m) to the connector.
 (4) Fix the cover ④ to the program timer main body ③. (For the fixing procedure, see Fig. 4. 3).

* The centralized remote controller should in principle be installed to the door of the operation panel. If you want to combine this unit with the centralized remote controller install the program timer on the door of the operation panel together with the centralized remote controller, whenever possible.

