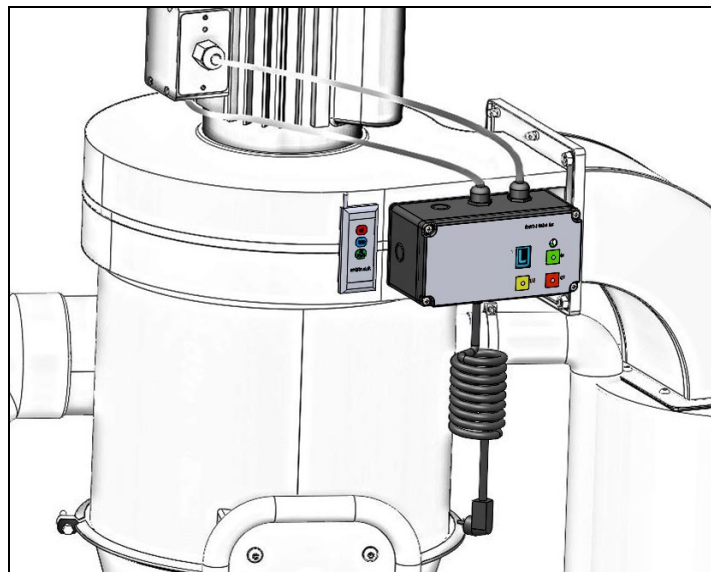


# FM-RC REMOTE CONTROL KIT INSTRUCTION MANUAL

## 1. Introduction

FM-RC remote control kit is suitable for cyclone dust collector model FM300C-1800H, FM300CA-1800H, FM350C-1800H, FM350CA-1800H.



FM-RC remote control kit is designed based on radio frequency (RF). It uses radio waves to conduct signals, which can be covered in all directions. Within the control range, it can be operated remotely without aiming at the controlled device. It can penetrate obstacles such as walls and it allows you to remotely turn a cyclone dust collector ON/OFF from a distance of up to 10 meters.



**Read and understand this document before installation to ensure that you understand how to fit this kit correctly and safely use it.**

### Specifications

Remote controller battery..... 23A 12V battery  
Communication Type.....Radio Frequency (RF)  
Max. Communication Distance ..... 10 Meter

## **WARNING**

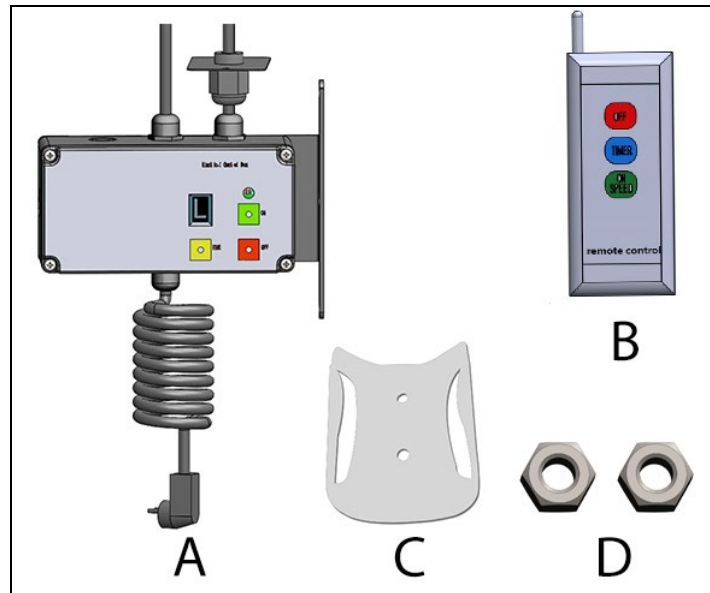
**Never leave dust collector running while unattended—even if timer has been set to automatically shut it off. Wood dust is highly flammable, and you must always be present while the dust collector is running to promptly respond in the event of a fire.**

## 2. Installation

This remote control kit is ONLY could be used after fit on the machine well.

### 2.1 Unpacking

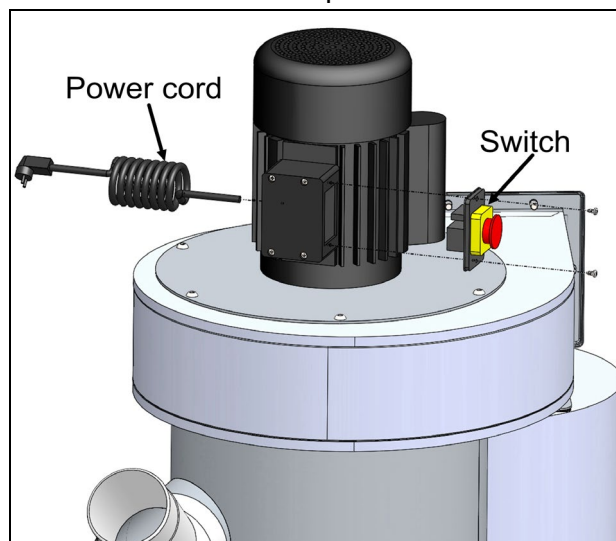
The remote control kit is packed in one carton. The following is a list of items included. Before beginning setup, lay these items out and inventory them.



|                           |                      |
|---------------------------|----------------------|
| A. Control box assembly   | B. Remote controller |
| C. Remote controller base | D. M8 nut            |

### 2.2 Installation

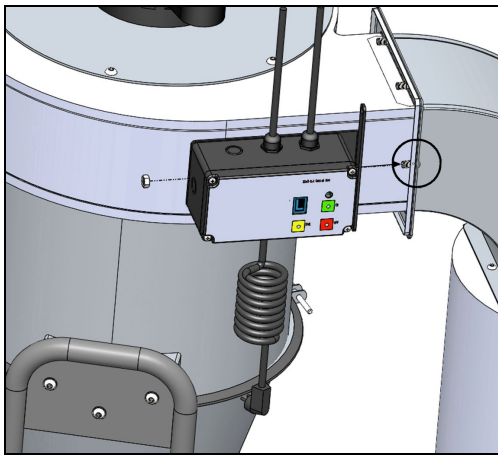
1. Turn off the dust collector and unplug the power.
2. Remove the original power cord and switch as picture.



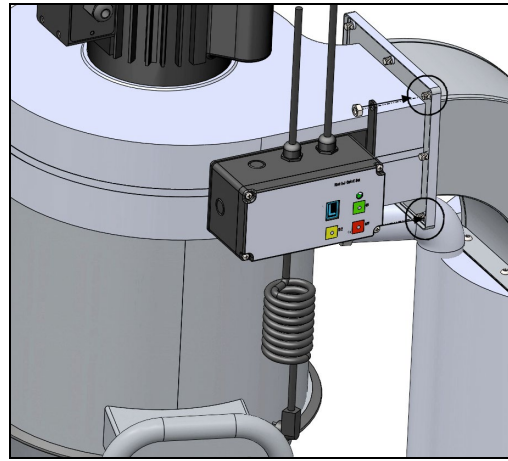
3. Fix the control box assembly onto the bolt that fasten the impeller housing and elbow.



Please note that, for FM300C and FM350C, fix the control box by one M8 nut onto the middle bolt; For FM300CA and 350CA, fix the control box by two M8 nuts onto the two bolts (up and bottom bolts).

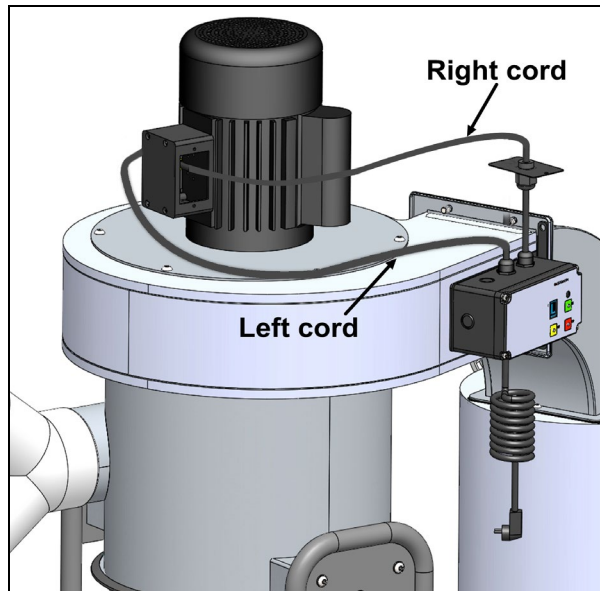


FOR FM300C and FM350C

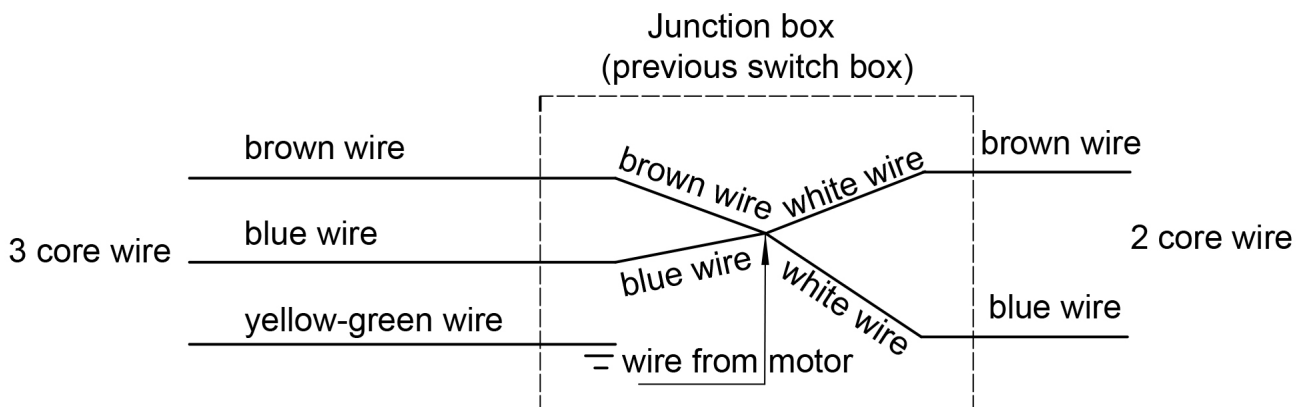


FOR FM300CA and FM350CA

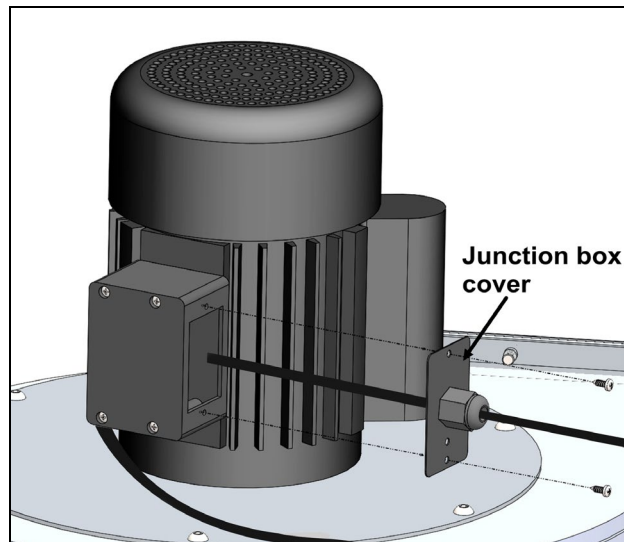
4. There are two electric cords on the control box. Insert the left one into the back side of the junction box and insert the right one into the junction box from front side.



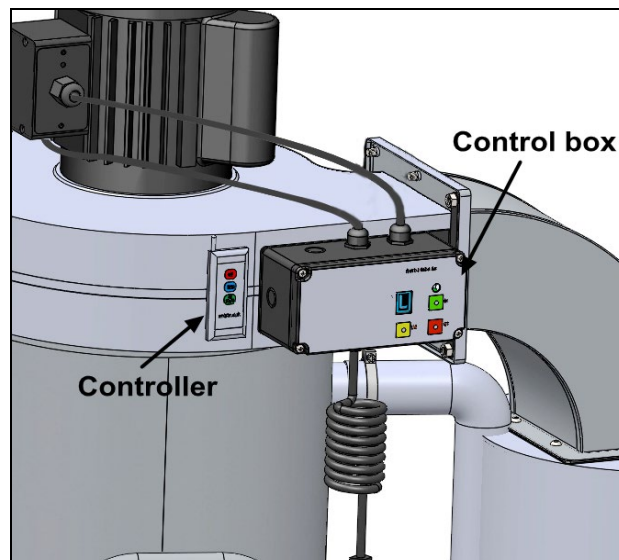
Then connect the wires refer to the wiring diagram:



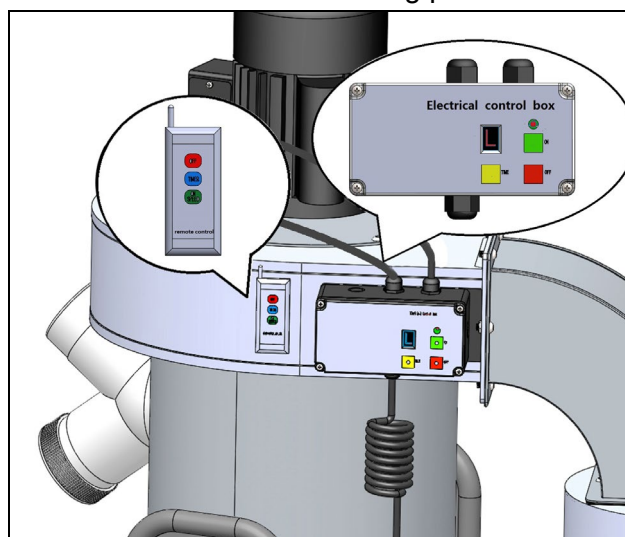
5. Install the junction box cover by two screws.



6. Find a suitable place to stick the controller base on the machine. Normally, the base could be stuck onto the impeller housing, close to the control box.



Now, the remote control kit is well assembled as following picture.



### 3. Operation

The remote controller and control box come preprogrammed from the factory and are ready for use. No additional programming is necessary.

#### 3.1 To operate the remote controller

1. Press remote controller ON button once to turn dust collector ON.
2. Press remote controller OFF button once to turn dust collector OFF.

#### 3.2 Programming Auto Shut-Off

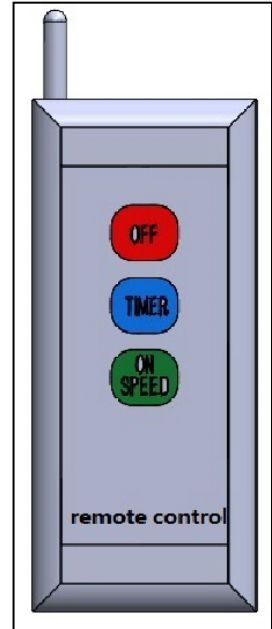
Using the remote controller, you can program your switch box to automatically shut off your dust collector after a specified number of hours.

##### To program auto shut-off:

1. Press ON button on remote controller.
2. Then press the timer button, the digital readout on the control box will show the desired setting time.

**Note: Press once for 2 hours, and we could timing the machine to run at 2 hours, 4 hours, 6 hours and 8 hours automatically.**

3. Control box is programmed to automatically shut off dust collector after indicated number of hours now.



**This remote control kit features an automatic shut-off that can be programmed for up to 8 hours in 2-hour increments, allowing the dust collector to remain in operation while the operator is actively working in the nearby area.**

#### 3.3 Control box

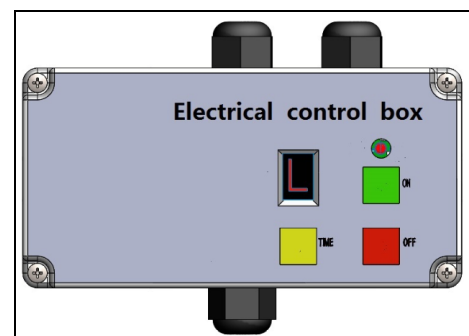
Except controlling the machine by remote controller, the three buttons on the control box could be also used when need.

Green for ON: start the machine.

Yellow for TIMER: timing the running time.

Red for OFF: Turn off the machine.

Besides, a digital readout on the panel is used to show the running time.



#### 3.4 Replacing Remote Controller Battery

The remote controller is independently powered by a 12V battery. If the switch box stops responding to the remote controller, replace the battery as the first course of action.

To replace remote controller battery:

1. Turn remote controller face down and remove sliding battery cover.
2. Replace battery, then re-assemble remote controller.