

# MANUAL

Air curtain

# warmtec®

**WRM06+**

**WRM08+**

**WRM10+**

**WRM12+**

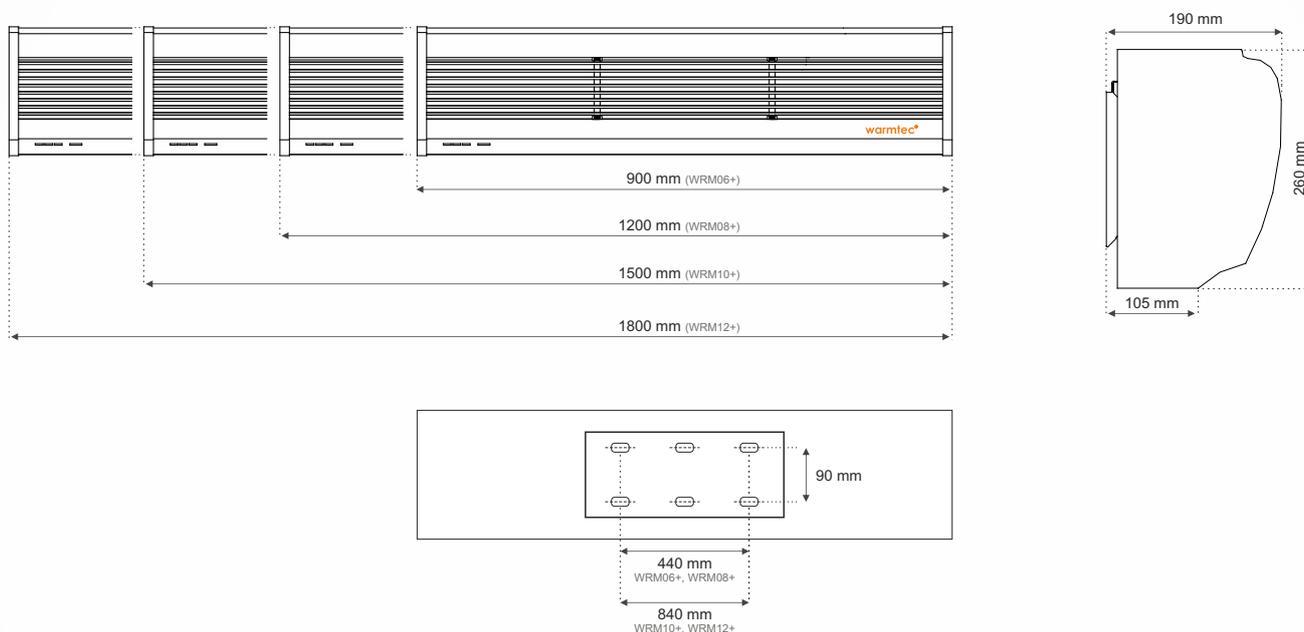


Thank you for buying WARMTEC Air Curtain.  
Please read this manual carefully before using the appliance.

## 1. Introduction

WARMTEC air curtains series WRM+ are professional, high-performance appliances with heating power from 6kW to 12 kW and width from 90 cm to 180 cm long. WRM+ air curtains provide strong air stream, which creates effective barrier against heat loss through open door and gives protection against insects, dust, smoke etc. WARMTEC air curtains are suitable to mount above door openings in many buildings such as offices, consulting rooms, hotels, restaurants, warehouses, shops and many others.

## 2. Dimensions

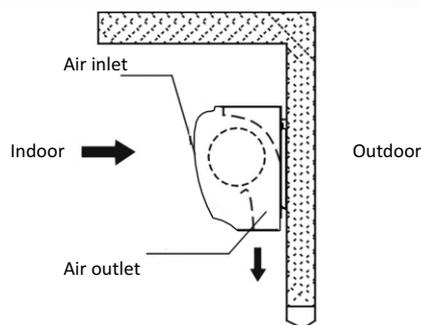


## 3. Installation tips

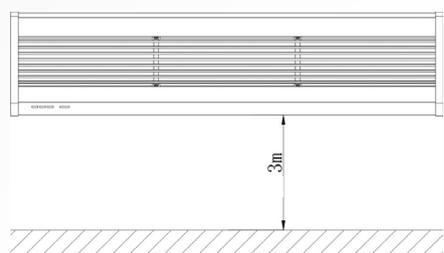
**3.1** Air curtains needs to be mounted to solid surface to provide safe usage. Incorrect installation can cause noises or/and vibrations which in consequence leads to loosening connections.



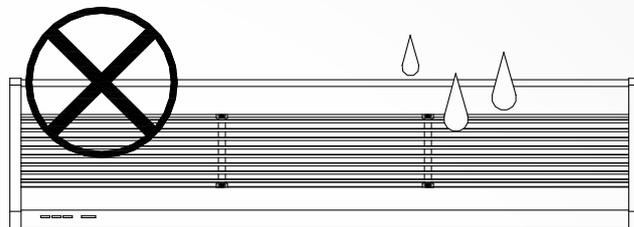
**3.2** Installation is available inside the room only. Do not install air curtain outside the building.



**3.3** Max. height installation is 3 meters above floor surface. In case the opening width exceeds appliance length, then mount the bigger air curtain or install two or more air curtains side-by-side (keep the 20-40 cm break between them).



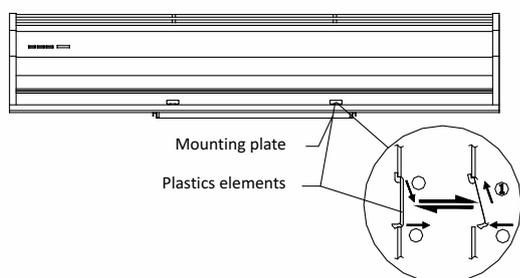
**3.4** Install the air curtain away from water, steam or explosive and corrosive gases.



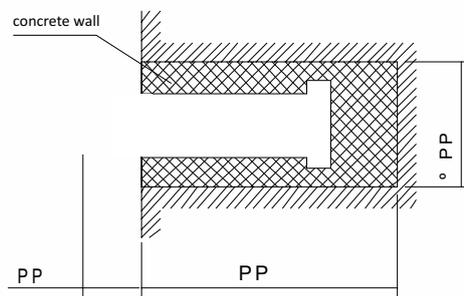
## 4. Installation

### 4.1. Installation to a concrete wall.

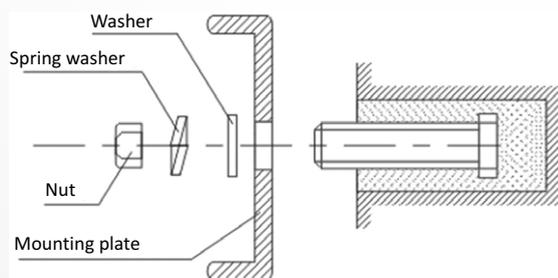
**4.1.1** To remove mounting plate unscrew the fastening screws on the inner side of air outlet.



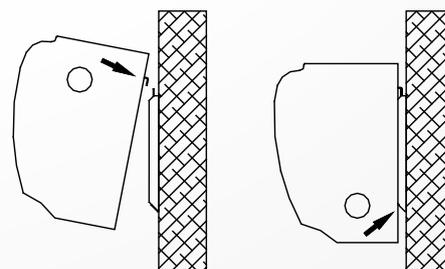
**4.1.2** Next drill the holes for the dowels (set the holes place with the mounting plate) and set the dowels in a right place.



**4.1.3** Screw the mounting plate with concrete anchor, spring washer and nut.

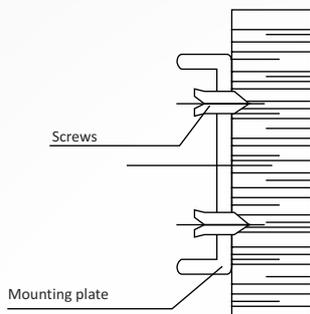


**4.1.4** Lean the appliance on the upper edge of mounting plate and snap it as shown below. Next screw the mounting screws to the housing of the air curtain.

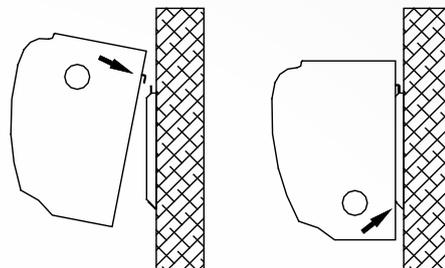


## 4.2. Installation to a wooden wall.

4.2.1 Mount the mounting plate with screws to the wooden wall.

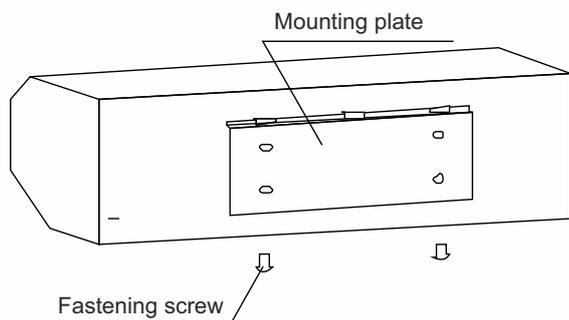


4.2.2 Follow the step A.4.1.4.

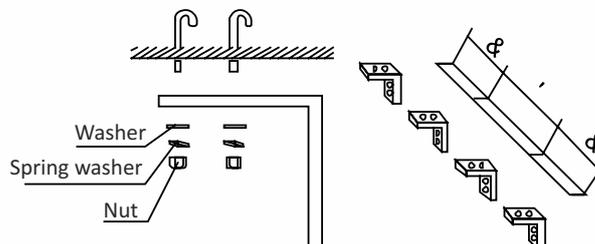


## 4.3. Installation to a ceiling.

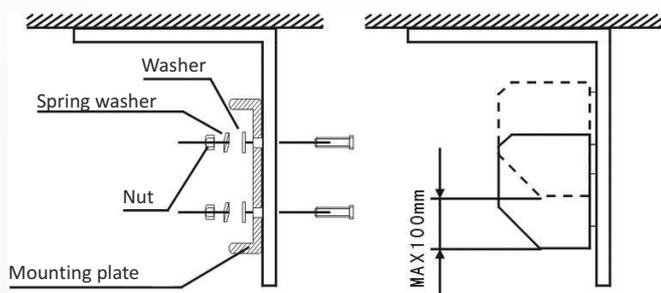
4.3.1 Disconnect mounting plate from device housing. (see. 4.1.1)



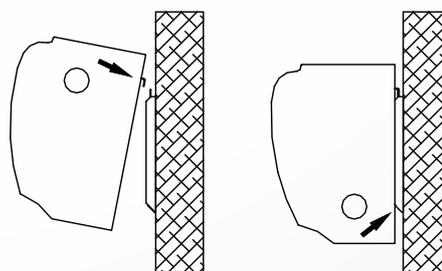
4.3.2 Mounting of the mounting brackets (not included).



4.3.3 Put in the mounting plate on the prepared fixing. Fasten the mounting plate to the mounting brackets.



4.3.4 Follow the step A.4.1.4

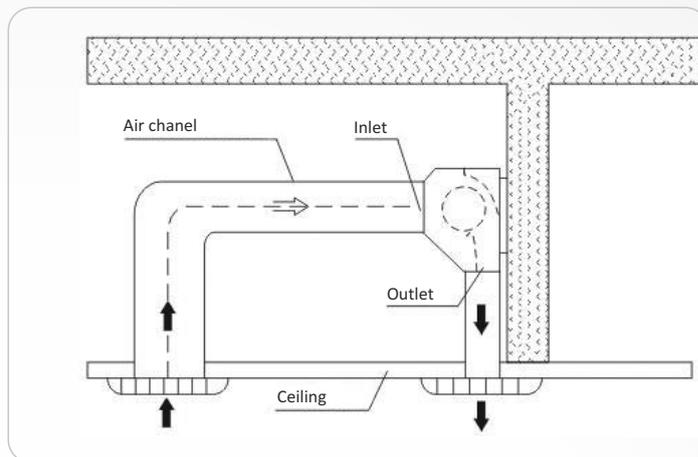


## 4.4. Installation above the ceiling.

- 4.4.1 Follow the steps as in the case of concrete wall.
- 4.4.2 Feed the intake air channel according to the drawing or use intake grill only to be installed in the suspended ceiling.



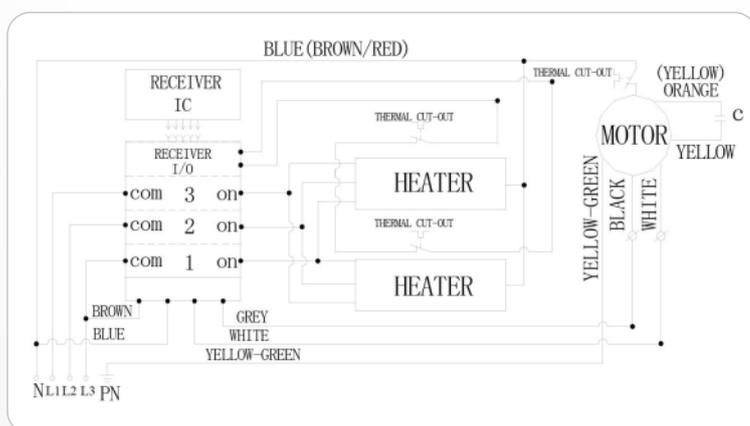
In case of installation above the ceiling it is need to move the control panel outside.  
Please contact our service before installation.



## 5. Technical features

Model	Power supply [V~/Hz]	Power [W]	Heater power [kW]			Max. air speed [m/s]		Max. air flow [m³/h]		Noise level [dB]	Dimensions	Weight [kg]
			I	II	III	LO	HI	LO	HI			
WRM06+	230/50 400/50	160	2	4	6	11,5	13,6	1000	1200	55-57	900x190x105	13,5
WRM08+		200	2,7	5,3	8			1500	1700	56-58	1200x190x105	16
WRM10+		230	3,3	6,7	10			1900	2200	57-59	1500x190x105	18,5
WRM12+		300	4	8	12			2300	2700	58-60	1800x190x105	24

### Cross section of power cords



Power	Three phases (400V~ min. cross section) N, L1, L2, L3			
Cross section				
Heater power	6 kW	8 kW	10 kW	12 kW
Cross section	2,5 mm²	2,5 mm²	2,5 mm²	4 mm²



## 6. Operation

### 6.1. Remote control.

a) Press the **"ON/OFF"** button to turn on the air curtain. To confirm, that the appliance accepts the command from remote control, air curtain will give an informative signal. Then the appliance starts working in "High Speed" mode. The green LED diode lights up on the main control panel.

Press the **"ON/OFF"** button again to turn off the air curtain. The green LED diode will go off.

b) "High Speed" mode sets automatically after turning on the air curtain. To set up "Low Speed" mode, press **"COOL"** button. To return to the original settings and activate "High Speed" mode, press **"COOL"** button again.

c) Three-stage heating power: To activate heating mode, press **"HEAT"** button. The appliance confirms accepting this command by giving the informative signal. This operation switches the mode of the device from cooling to heating (first heating stage). The first red LED diode lights up on the main control panel.

Press the **"HEAT"** button the second time to set up the second stage of heating mode. The second red LED diode lights up on the main control panel.

Press the **"HEAT"** the third time to set up third stage of heating mode. The third red LED diode lights up on the main control panel.

Another pressing **"HEAT"** button switches operation mode from heating to cooling and lights up the green LED diode (see a)).

d) When the air curtain is in the cooling mode (green LED diode), press **"ON/OFF"** button to turn of the device immediately.

e) When the air curtain is in the heating mode (red LED diode), press **"ON/OFF"** button to switch operation mode to cooling stage. The green LED diode will be flashing. The air curtain will be working for 3 minutes in cooling mode for the electric heaters to be cooled. Then the device turns off.

### 6.2. Control via the build-in control panel.

The same as the 6.1.

### 6.3. Protection against overheating.

The device has protection against overheating (above 135°C). When the heater temperature reaches 135°C or more, then heating mode turns off automatically and the device starts working in cooling mode (without heating). The green LED diode lights up. When the heater temperature drops under 135°C, then the device can be switched again to the heating mode.

## 7. Warnings

- a) Make sure, that power supply is the same as mentioned on the name label.
- b) Before any maintenance turn off the power supply.
- c) Maintenance should be carried out at least once a year.
- d) Do not use gasoline, oil, diluent, or other such agents to clean up the device.
- e) It is forbidden to allow any water or other substances to getting into an engine.
- f) When the power supply is directly from a electrical switchboard, use appropriate over-current and differential-current fuses.

