Air curtain: Optima wireless

INSTALLATION, OPERATION AND MAINTENANCE MANUAL

Please, read these instructions carefully before attempting installation
Deliver this manual to the final user.

SECURITY ADVISE SYMBOLS

¡Attention, Danger, Safety Advice!

Danger from electric current or high voltage!

Injuries risk!

Danger! Do not stay underneath: Heavy load.

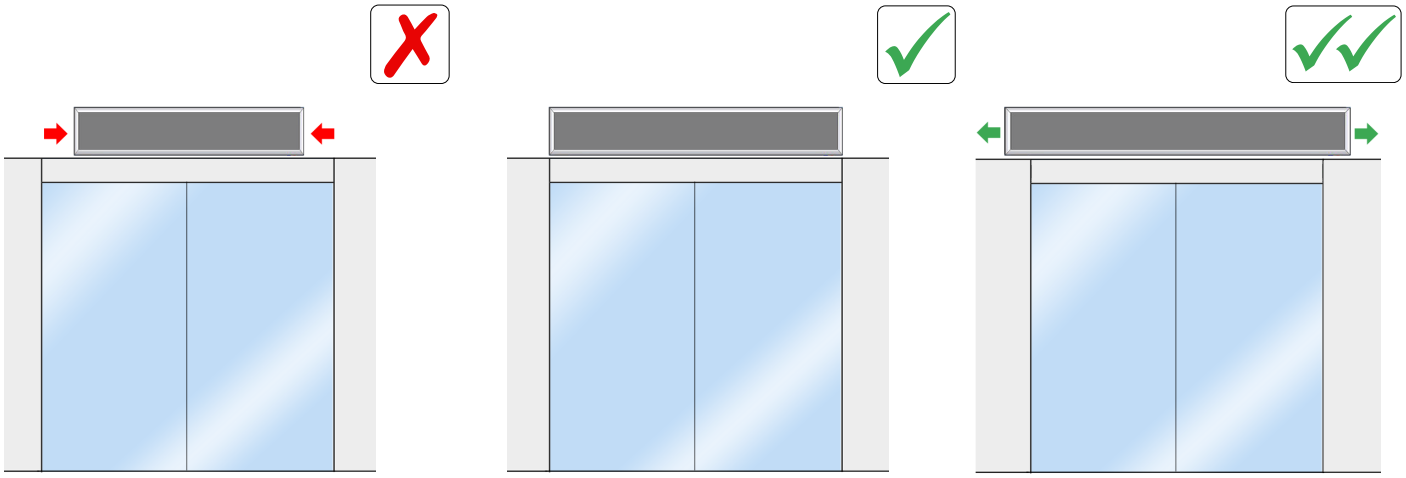
Important information.

INDEX

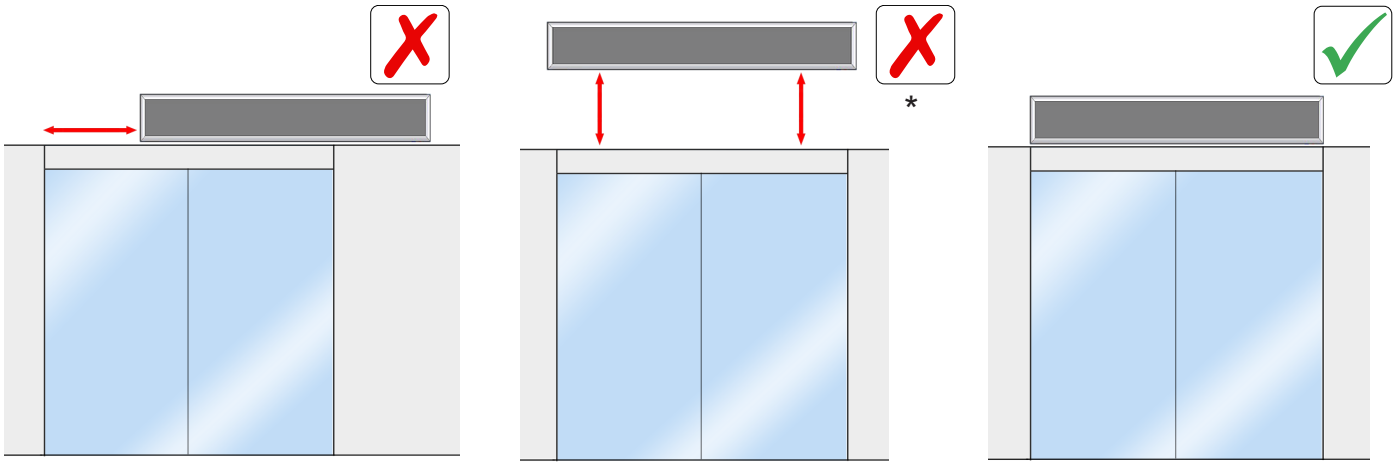
INSTALLATION

Tips and recomendations for a good installation

LENGTH

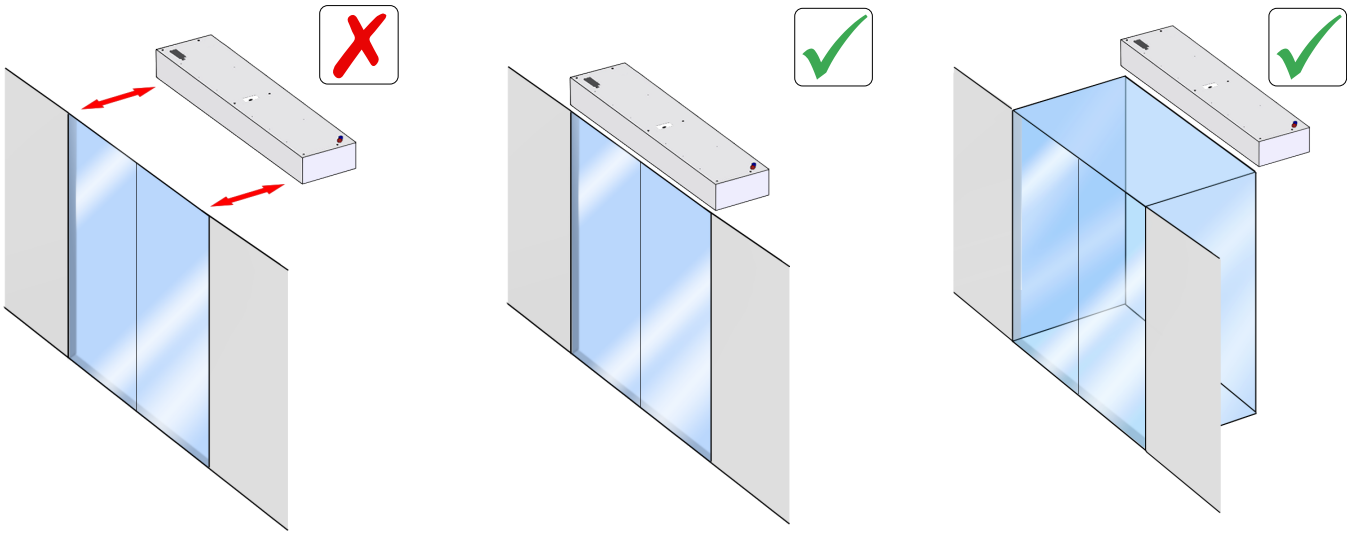


CENTERED/ HEIGHT

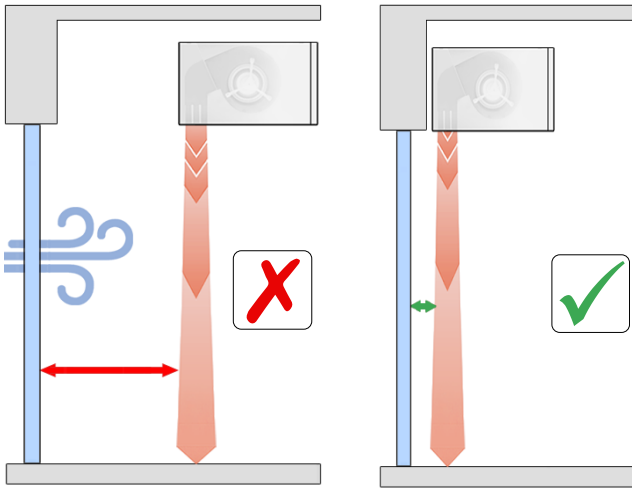


(*) Unless it has been designed to be installed at that height.

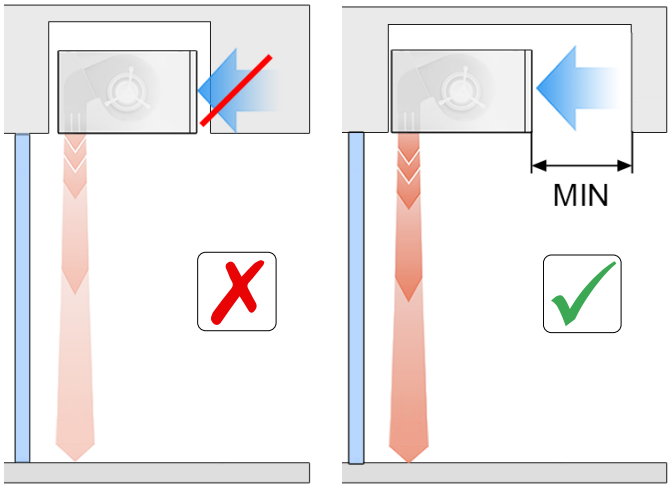
DOOR DISTANCE



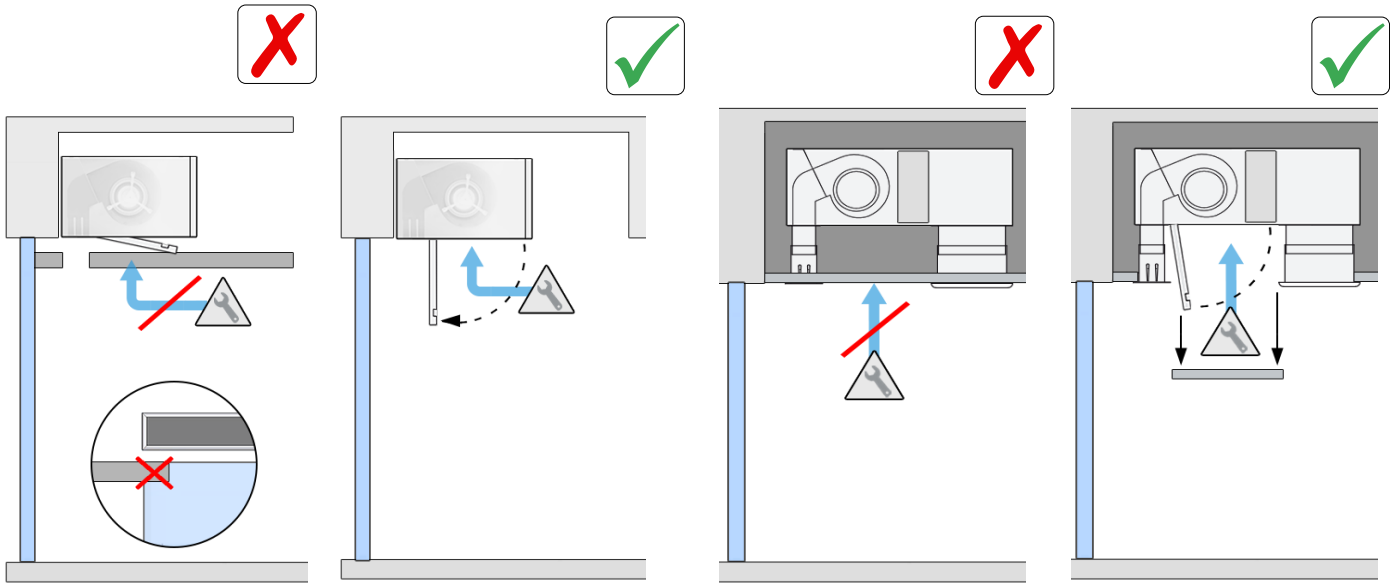
AIR DISCHARGE



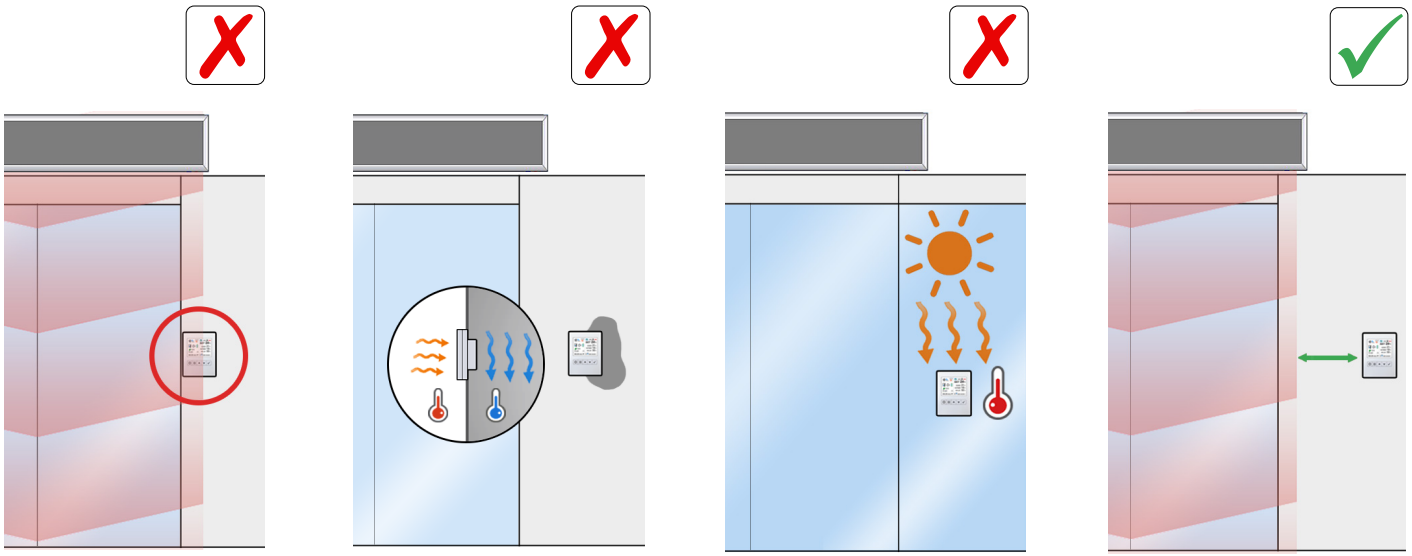
AIR ASPIRATION



MAINTENANCE ACCESSIBILITY

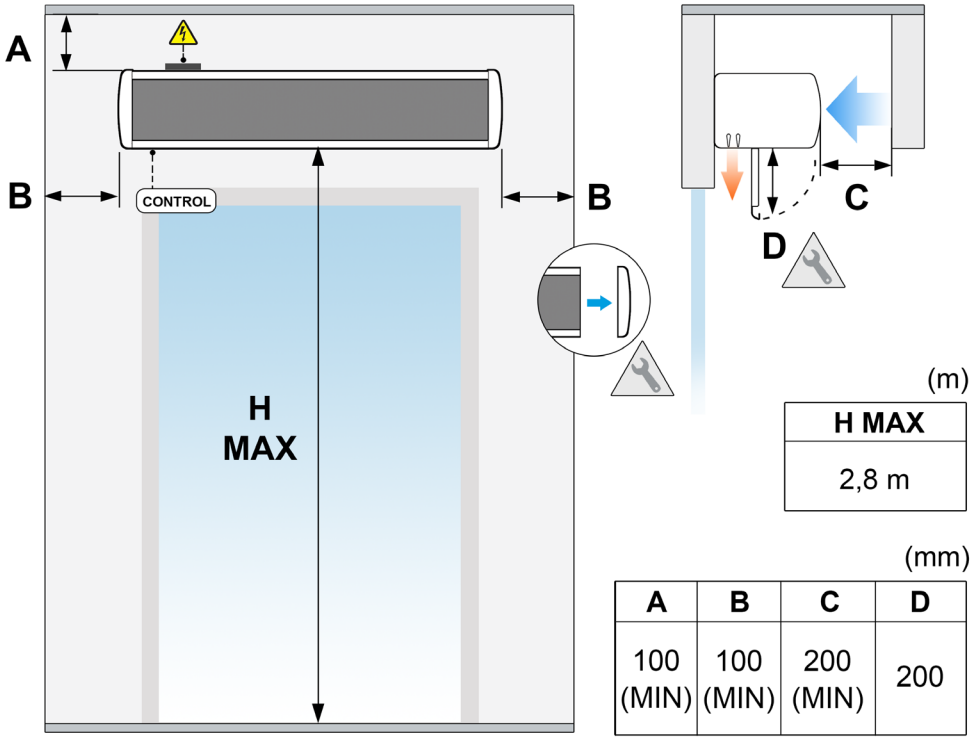


CONTROL (CLEVER)



Optima Wireless model

⚠	**Assembly, connection and disconnection, electrical wiring and maintenance must be carried out exclusively by qualified personnel, following this instruction manual and respecting the applicable standards.**
ℹ	**It is not necessary to open the service door to connect the air curtain. All connections (power and control) and necessary fixings are external (located at the top of the curtain). The equipment has a service door to carry out repairs (see repairs section).**
ℹ	**For safety reasons, the air curtains must never be stopped by disconnecting the current, it must always be done through the controller, waiting at least 10 minutes to leave the curtain without voltage. Otherwise, the curtain components may be damaged.**



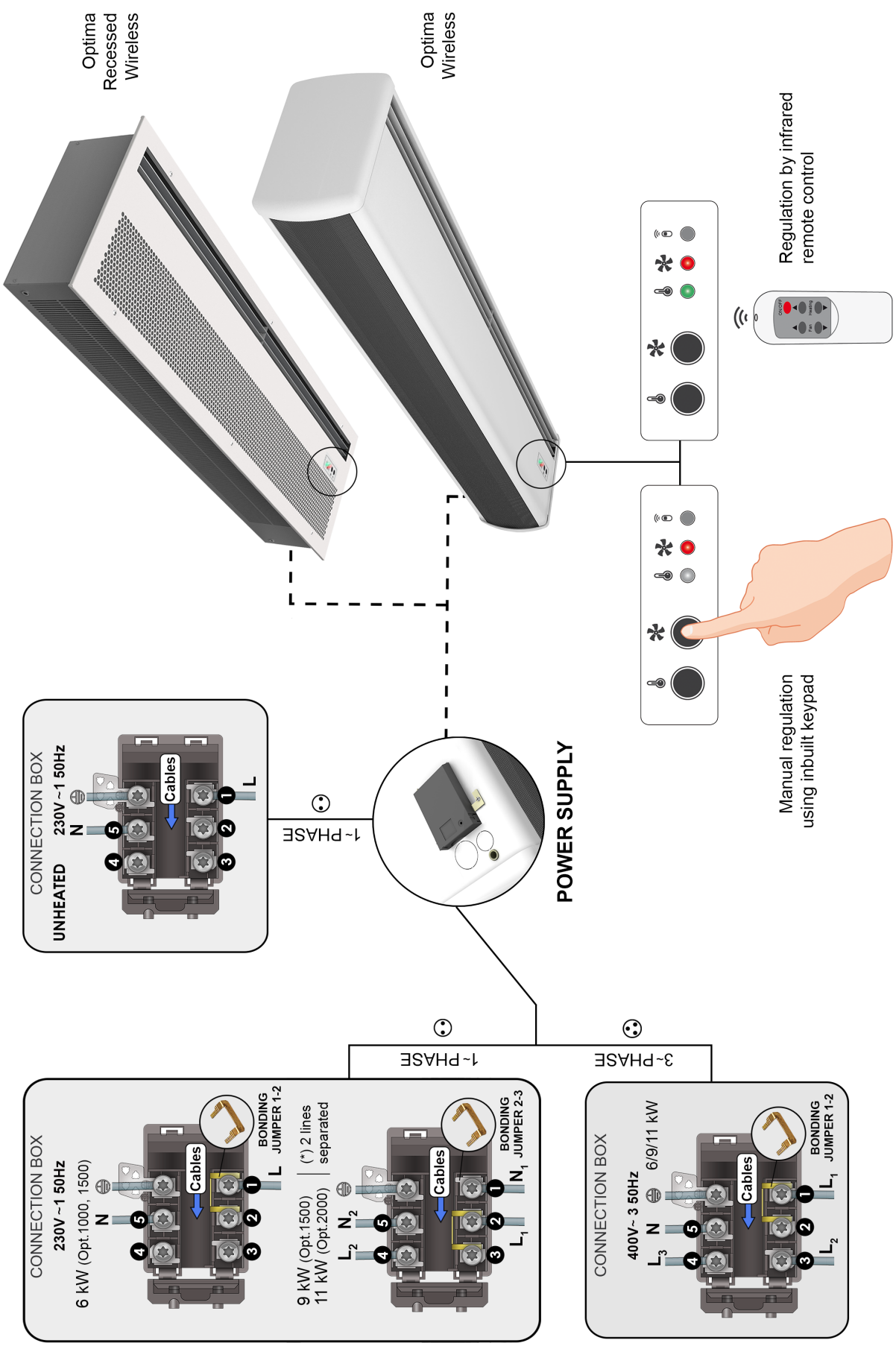
(m)

H MAX
2,8 m

(mm)

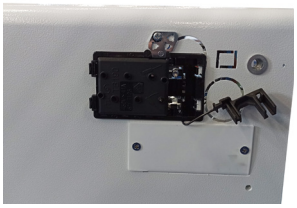
A	B	C	D
100 (MIN)	100 (MIN)	200 (MIN)	200

H MAX. Maximum recommended range, MIN. Recommended minimum distance
The minimum recommended distance between the suction grille and any obstacle is 200 mm (Dimension C)
Dimension D: service opening distance.


Optima
Recessed
Wireless
Optima
Wireless
Regulation by infrared
remote control
Manual regulation
using inbuilt keypad
POWER SUPPLY
1~PHASE
3~PHASE
CONNECTION BOX
UNHEATED
230V ~1 50Hz
N
L
Cables
CONNECTION BOX
230V ~1 50Hz
6 kW (Opt.1000, 1500)
9 kW (Opt.1500)
11 kW (Opt.2000)
(*) 2 lines
separated
BONDING
JUMPER 1-2
BONDING
JUMPER 2-3
CONNECTION BOX
400V~ 3 50Hz
6/9/11 kW

Power supply

The power supply of the device must be made in the upper part of the outside of the air curtain:



Non heated models

For curtains without heating, only the curtain must be connected to single-phase current at 230V for the operation of the fans directly to the PCB.

Electrical coil models

In the case of a curtain with an electric battery, connect a 400Vx3 three-phase power supply or a single-phase 230Vx1 power supply from the electric battery. The single-phase current is only connected to one phase of the three-phase lines, plus a connection to the neutral (400 V).
Recommended maximum number of curtains connected to the same differential:

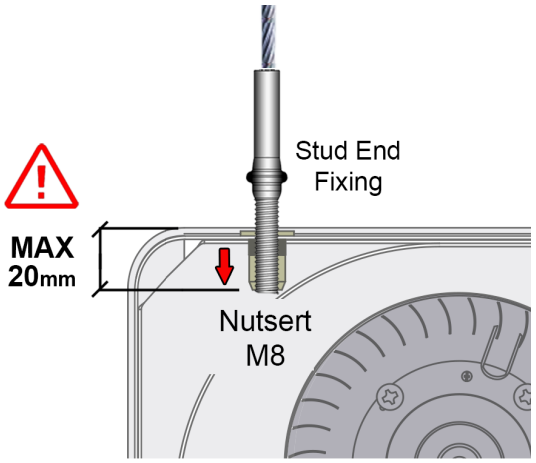
Model	Differential 30mA	Differential 300mA
OPT / RO / OPT W / RO W / Aris	20 uds.	20 uds.

Each installation must be reviewed by a specialist to ensure that there is no incompatibility with the selected differential and the connected curtains.

Fixings

The curtain has several external fastening points depending on the weight and length (see situation in the model characteristics section).

Generally, air curtains are installed horizontally. For vertical installation, use the feet kit (see accessories section).
The anchor must be sized according to the weights of each curtain indicated on the technical data page. The installation can be done using threaded rods, tensioners or other supports (see available supports in the accessories section).



Electrical coils

The electric coil has three or six resistors (depending on the model) in the form of a bar that, combined with each other, provide two heating stages. The control is carried out by one or two PRBEOs (depending on the model) up to 12kW included.
All the batteries are electrically and electronically protected against overheating (see section “operating instructions”).
Electric controllers have the option of including an external thermostat to control heating on and off based on temperature.
During the first uses, the electric battery can give off some odor that disappears in a few days.

According to battery power, the regulation is carried out by:

Air curtain size	Coil power (kW)	Regulation type
1000	6	1 PRBEO
1500	6 / 9	1 PRBEO
2000	12	2 PRBEO

TRANSPORTATION AND STORAGE

Warning! Heavy load.
Do not stand under the suspended load during transportation or assembly.

Store in a dry place protected from the environment. If the package is opened, cover the curtain to protect it from the dust. Do not step on or place heavy loads on it to avoid damage to the material. Storage temperature between -20 ºC and +40 ºC.

When transporting the material, you must ensure that it is not damaged by the forklift. (possible penetration of the fork in the packaging). Observe the instructions on the packaging for correct manipulation of the product.

WORKING INSTRUCTIONS

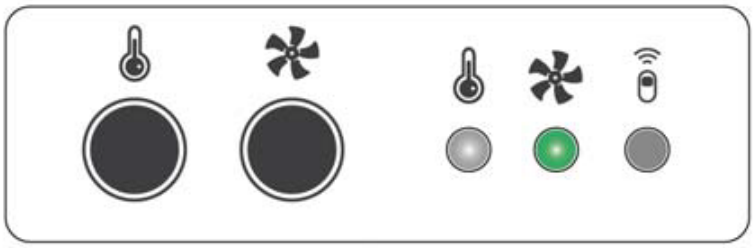
For safety, the air curtains must never be stopped by disconnecting the current, always do it through the controller. If the power is turned off to turn off the shade, or within ten minutes of turning it off with the controller, internal components may be damaged.

Characteristics of the control boards

The relay boards adjust the two speeds of ventilation and heating in case of curtains with electric coil.

Characteristics common to all regulators

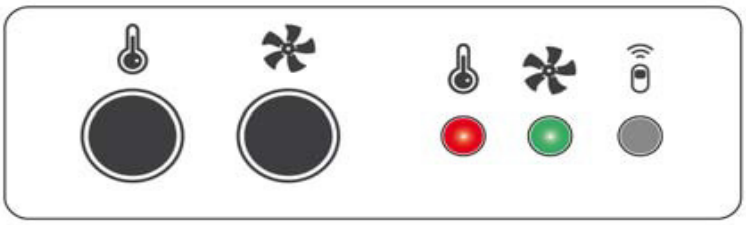
- Controller: There is a control built into the curtain door that allows selection of fan speed and heating stages in the case of electrically heated curtains.
- 2 fan speeds: In the first speed a green LED lights up and in the second speed a red LED.
- Remote Control: All shades have an IR receiver that allows them to be remotely controlled.



Non-heated air curtains control

Characteristics common to all controllers for electric coils

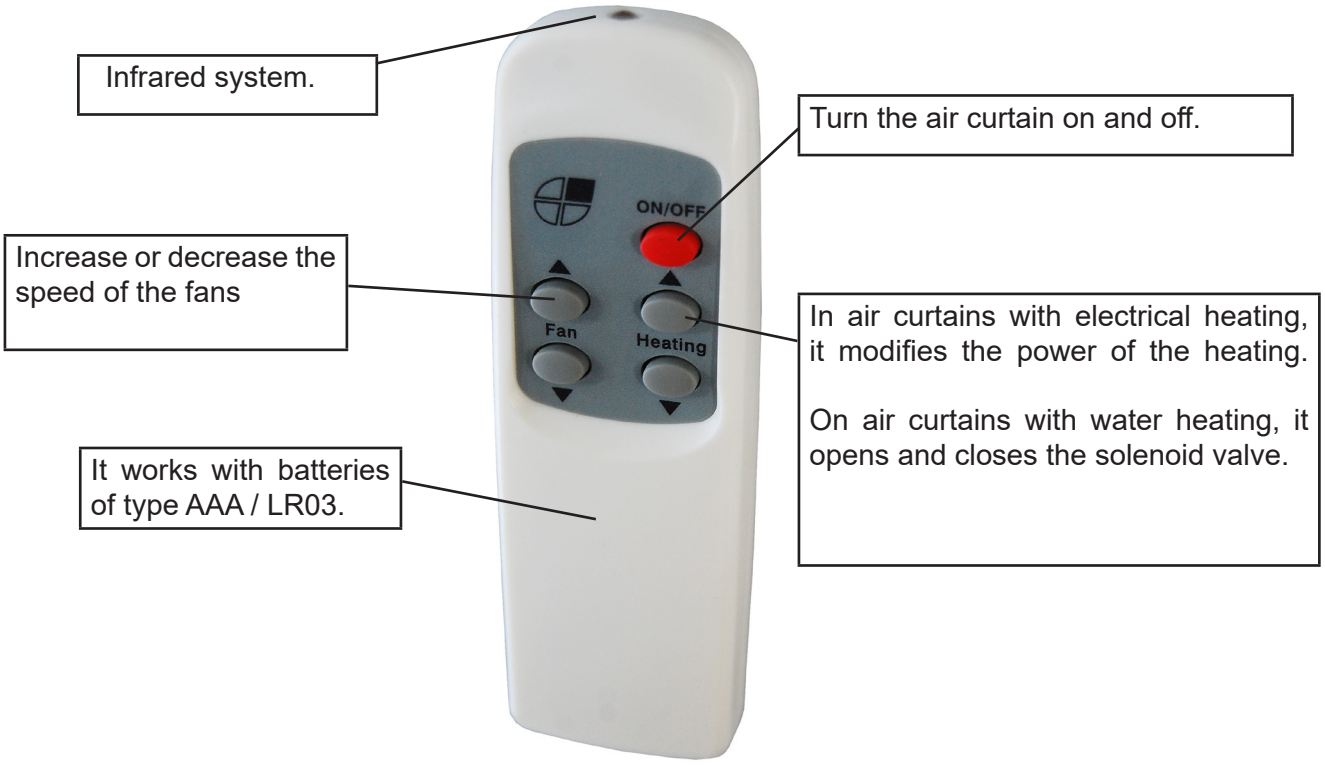
System with 2 ventilation speeds and 2 heating stages (C1, C2).



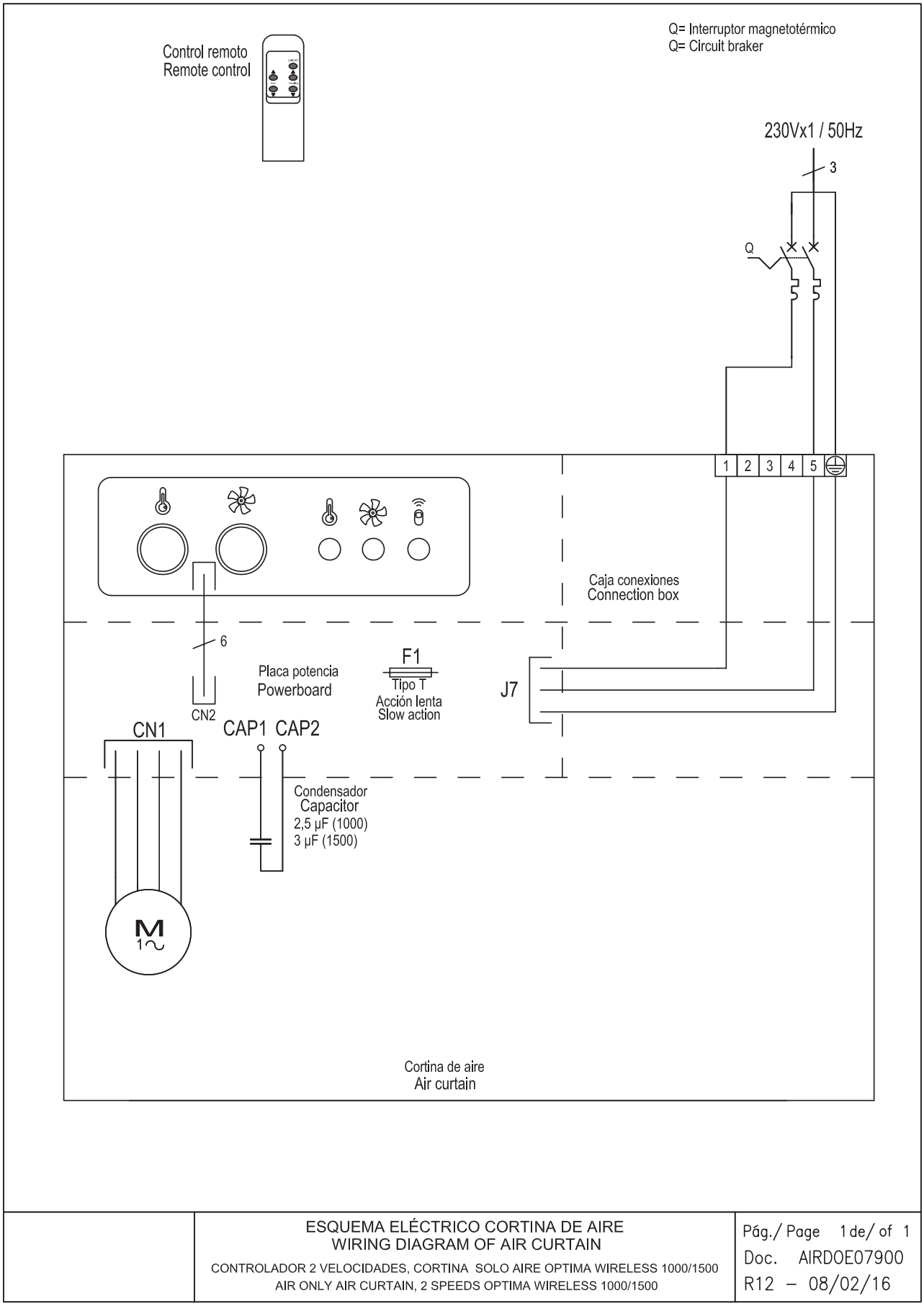
Electrical coil air curtains control

- 2 stages of heating: In the first stage of heating a green LED lights up and in the second stage a red LED lights up. C1=2/3 (1000,1500), C2=1/2 (2000).
- Thermal limitation: for the heating to work, a ventilation speed must have been selected, which allows the maximum heating stage to be chosen with the minimum ventilation.
- Delay time: when we stop the equipment and it has been running with heating, there is an increase in temperature inside it due to thermal inertia (it could damage it). To avoid this, when we stop the curtain, it keeps going for a certain time.
- The air speed and heating stage are indicated by a continuously lit LED, while the safety speed is indicated by a flashing LED.

Remote Control Features



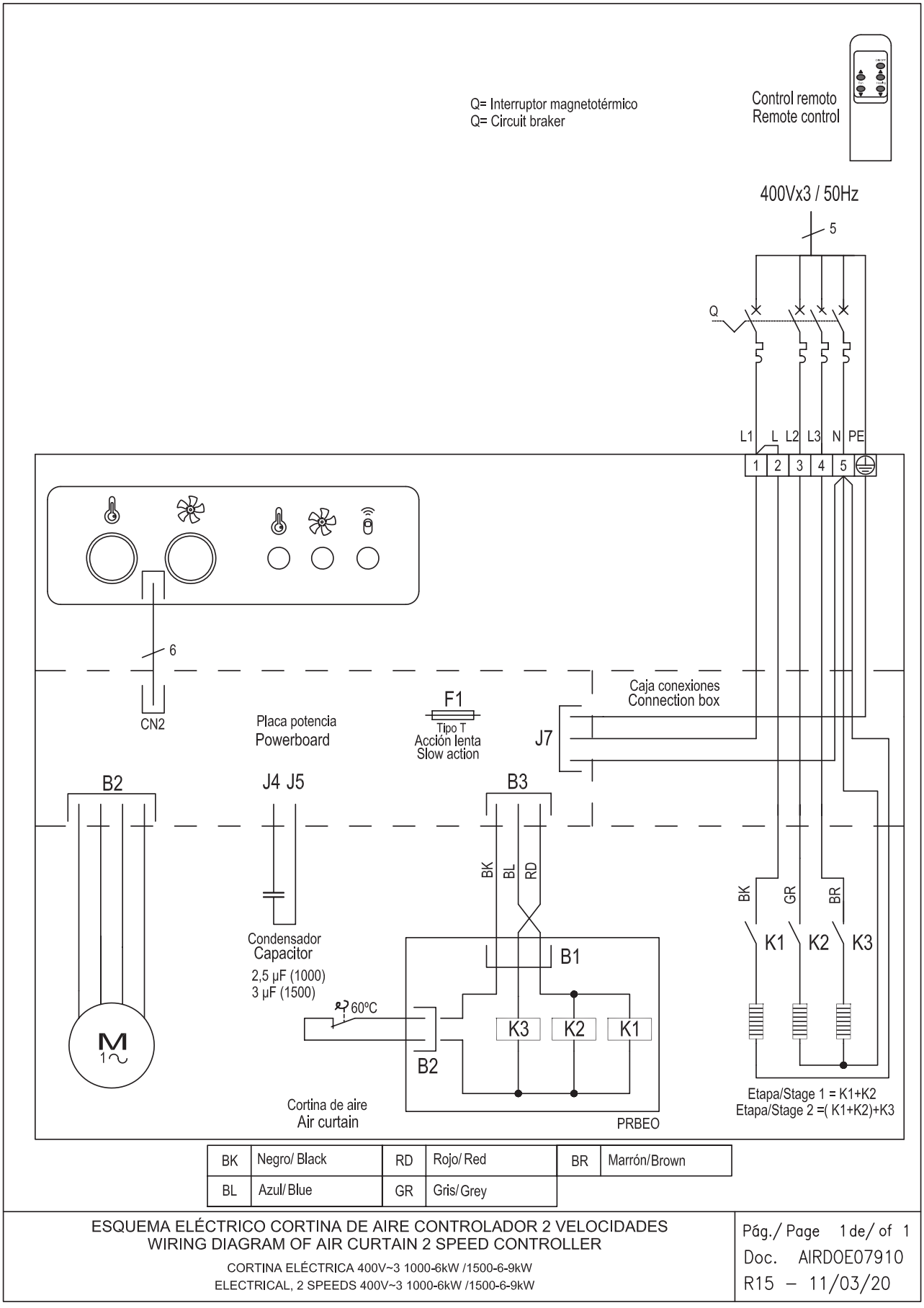
Non heated air curtain 1000/1500. Diagram AIRDOE07900



	ESQUEMA ELÉCTRICO CORTINA DE AIRE WIRING DIAGRAM OF AIR CURTAIN CONTROLADOR 2 VELOCIDADES, CORTINA SOLO AIRE OPTIMA WIRELESS 1000/1500 AIR ONLY AIR CURTAIN, 2 SPEEDS OPTIMA WIRELESS 1000/1500	Pág./ Page 1 de/ of 1 Doc. AIRDOE07900 R12 – 08/02/16

In case there is a need to connect the curtain to a PLC, the corresponding diagram is attached.

Electrical air curtain 400V~3 with PRBEO and electrical control 1000/1500. Diagram AIRDOE07910



BK	Negro/ Black	RD	Rojo/ Red	BR	Marrón/Brown
BL	Azul/ Blue	GR	Gris/ Grey		

ESQUEMA ELÉCTRICO CORTINA DE AIRE CONTROLADOR 2 VELOCIDADES
WIRING DIAGRAM OF AIR CURTAIN 2 SPEED CONTROLLER

CORTINA ELÉCTRICA 400V~3 1000-6kW /1500-6-9kW
ELECTRICAL, 2 SPEEDS 400V~3 1000-6kW /1500-6-9kW

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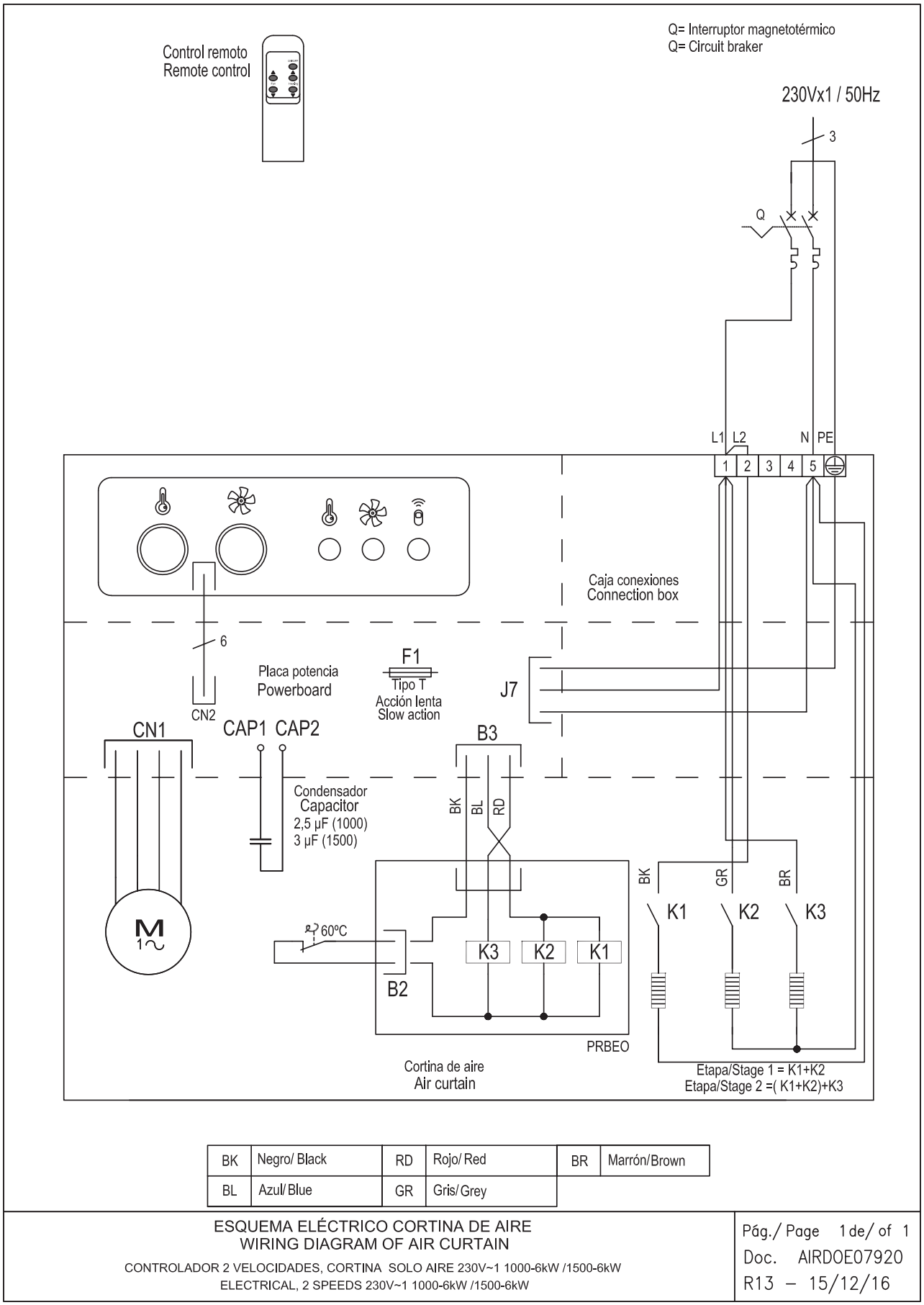
Doc. AIRDOE07910
R15 – 11/03/20

In case there is a need to connect the curtain to a PLC, the corresponding diagram is attached.

Electrical air curtain 230V~1 with PRBEO and electrical control 1000E230/1500E230-6. Diagram AIRDOE07920



BK	Negro/ Black	RD	Rojo/ Red	BR	Marrón/Brown
BL	Azul/ Blue	GR	Gris/ Grey		

ESQUEMA ELÉCTRICO CORTINA DE AIRE
WIRING DIAGRAM OF AIR CURTAIN

CONTROLADOR 2 VELOCIDADES, CORTINA SOLO AIRE 230V~1 1000-6kW /1500-6kW
ELECTRICAL, 2 SPEEDS 230V~1 1000-6kW /1500-6kW

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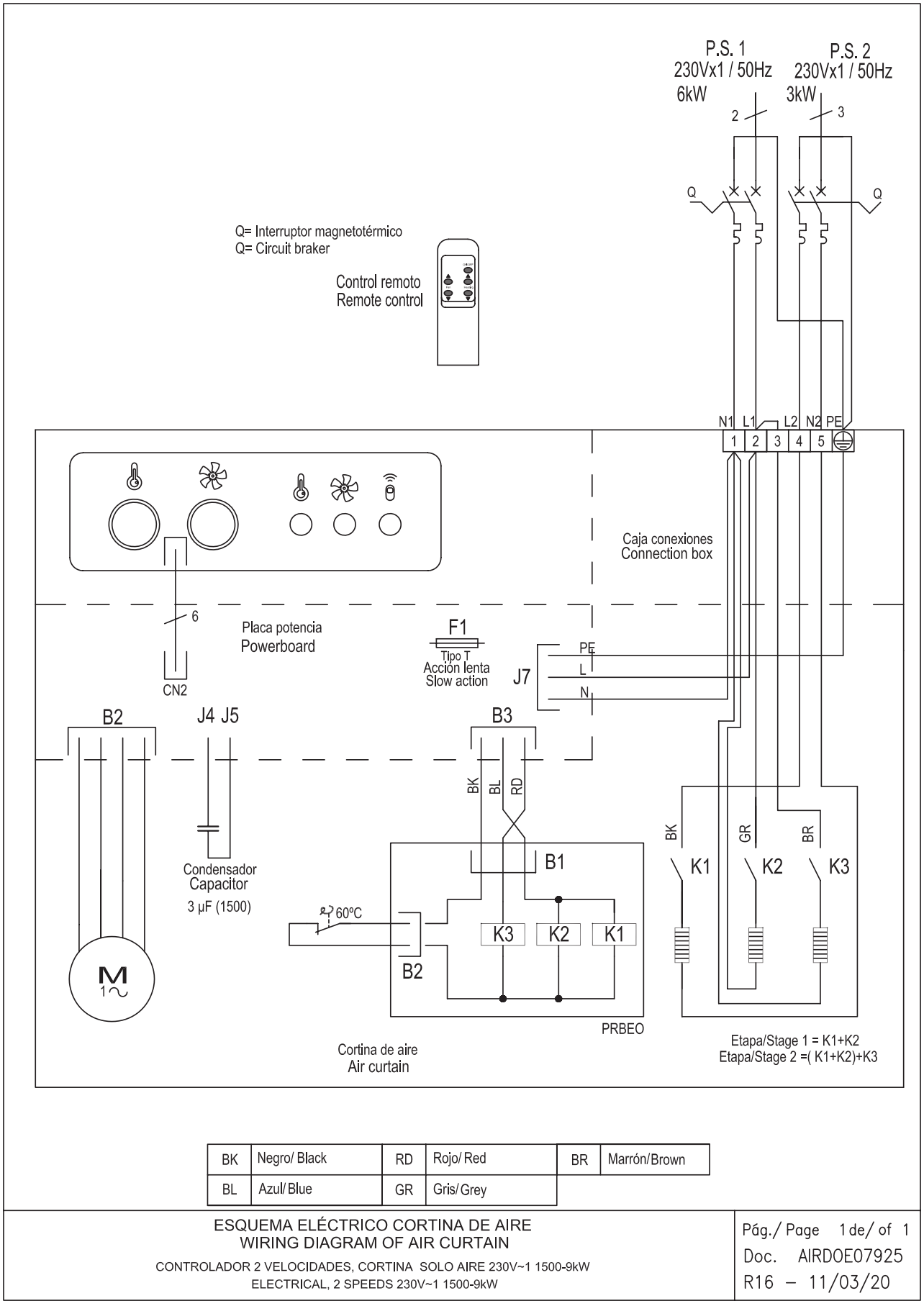
Doc. AIRDOE07920
R13 – 15/12/16

In case there is a need to connect the curtain to a PLC, the corresponding diagram is attached.

Electrical air curtain 400V~3 with PRBEO and electrical control 1500E230-9.
Diagram AIRDOE07925



BK	Negro/ Black	RD	Rojo/ Red	BR	Marrón/Brown
BL	Azul/ Blue	GR	Gris/ Grey		

ESQUEMA ELÉCTRICO CORTINA DE AIRE
WIRING DIAGRAM OF AIR CURTAIN

CONTROLADOR 2 VELOCIDADES, CORTINA SOLO AIRE 230V~1 1500-9kW
ELECTRICAL, 2 SPEEDS 230V~1 1500-9kW

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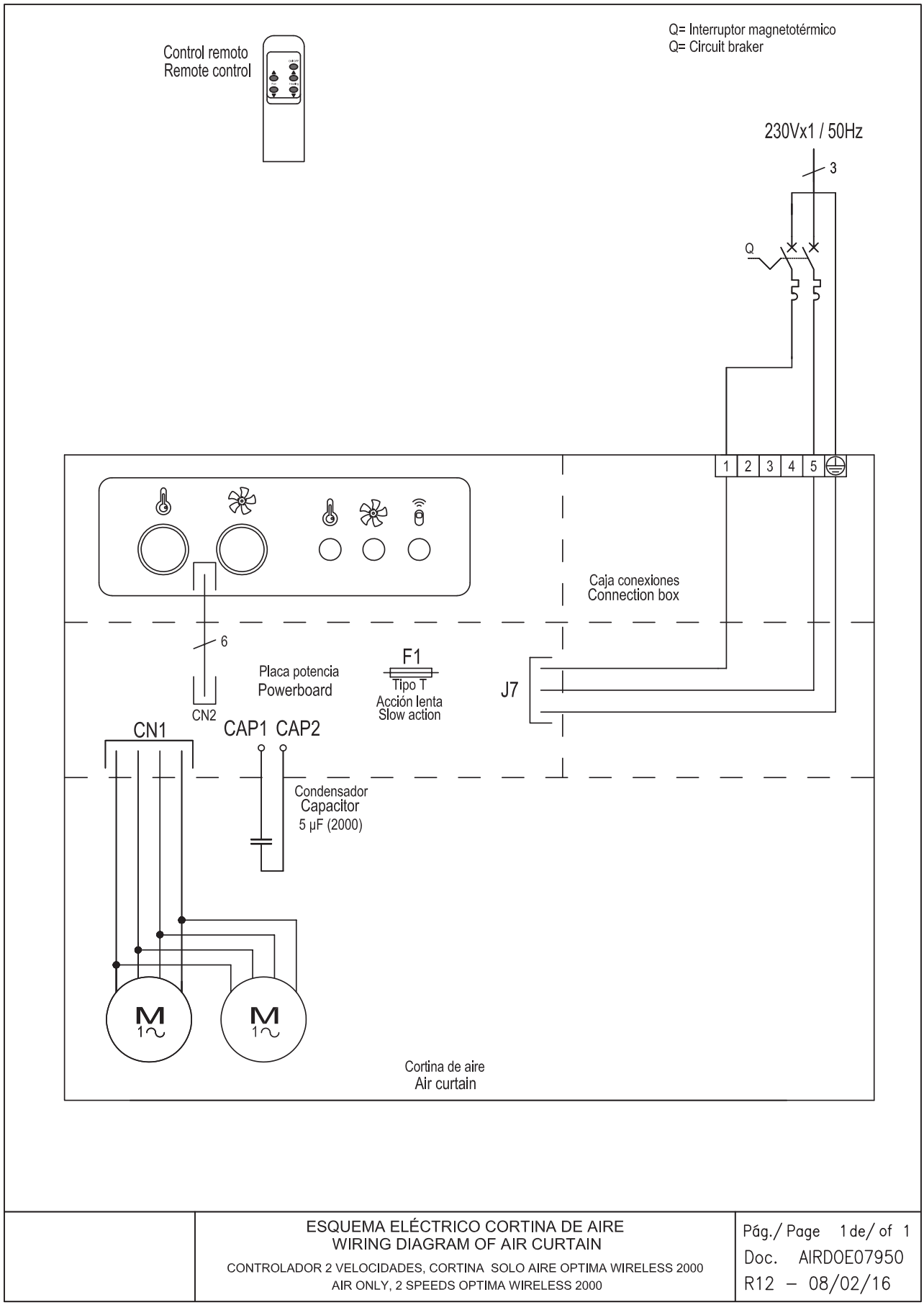
Doc. AIRDOE07925
R16 – 11/03/20

In case there is a need to connect the curtain to a PLC, the corresponding diagram is attached.

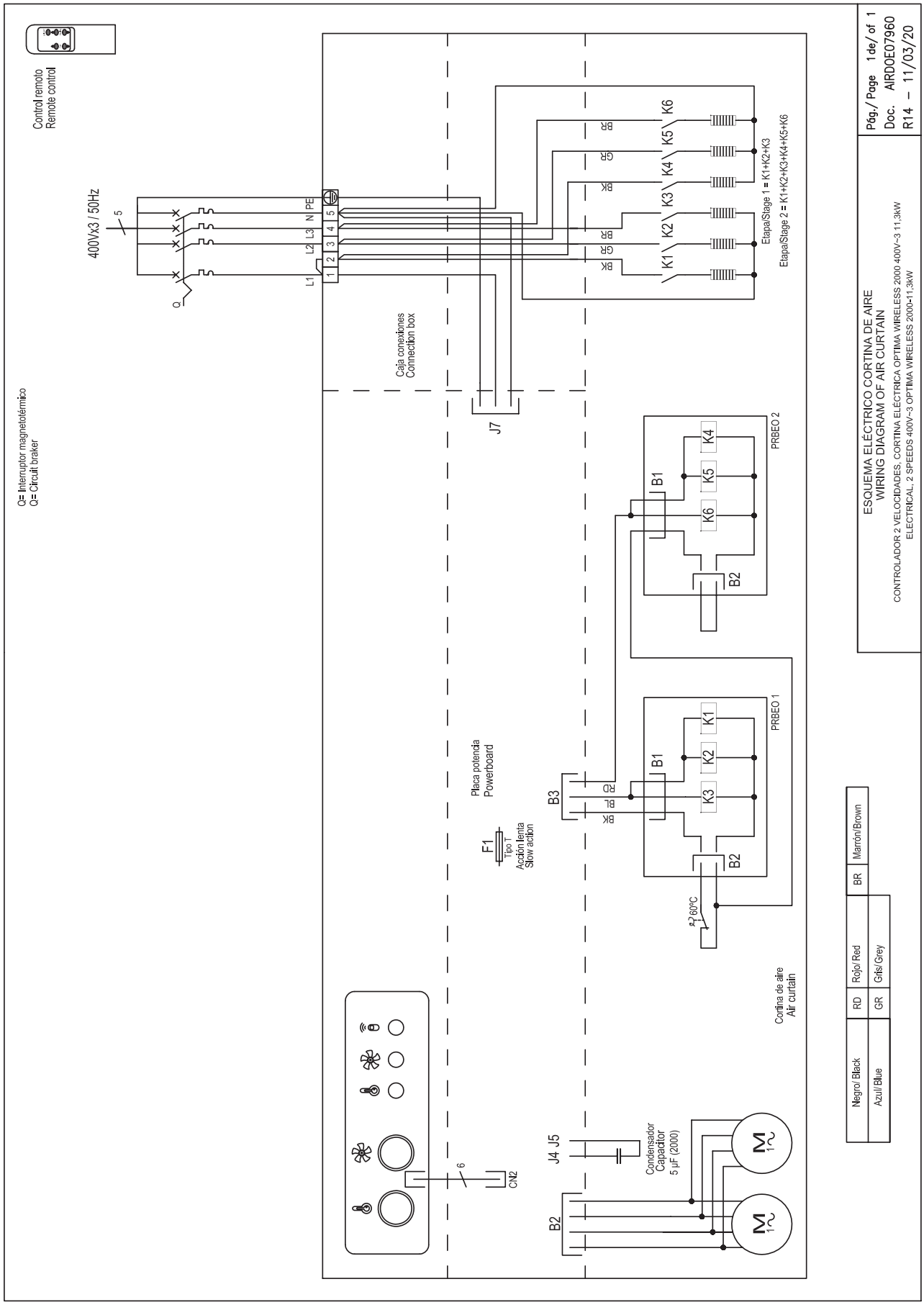
Non heated air curtain 2000. Diagram AIRDOE07950



	ESQUEMA ELÉCTRICO CORTINA DE AIRE WIRING DIAGRAM OF AIR CURTAIN CONTROLADOR 2 VELOCIDADES, CORTINA SOLO AIRE OPTIMA WIRELESS 2000 AIR ONLY, 2 SPEEDS OPTIMA WIRELESS 2000	Pág./ Page 1 de/ of 1 Doc. AIRDOE07950 R12 – 08/02/16

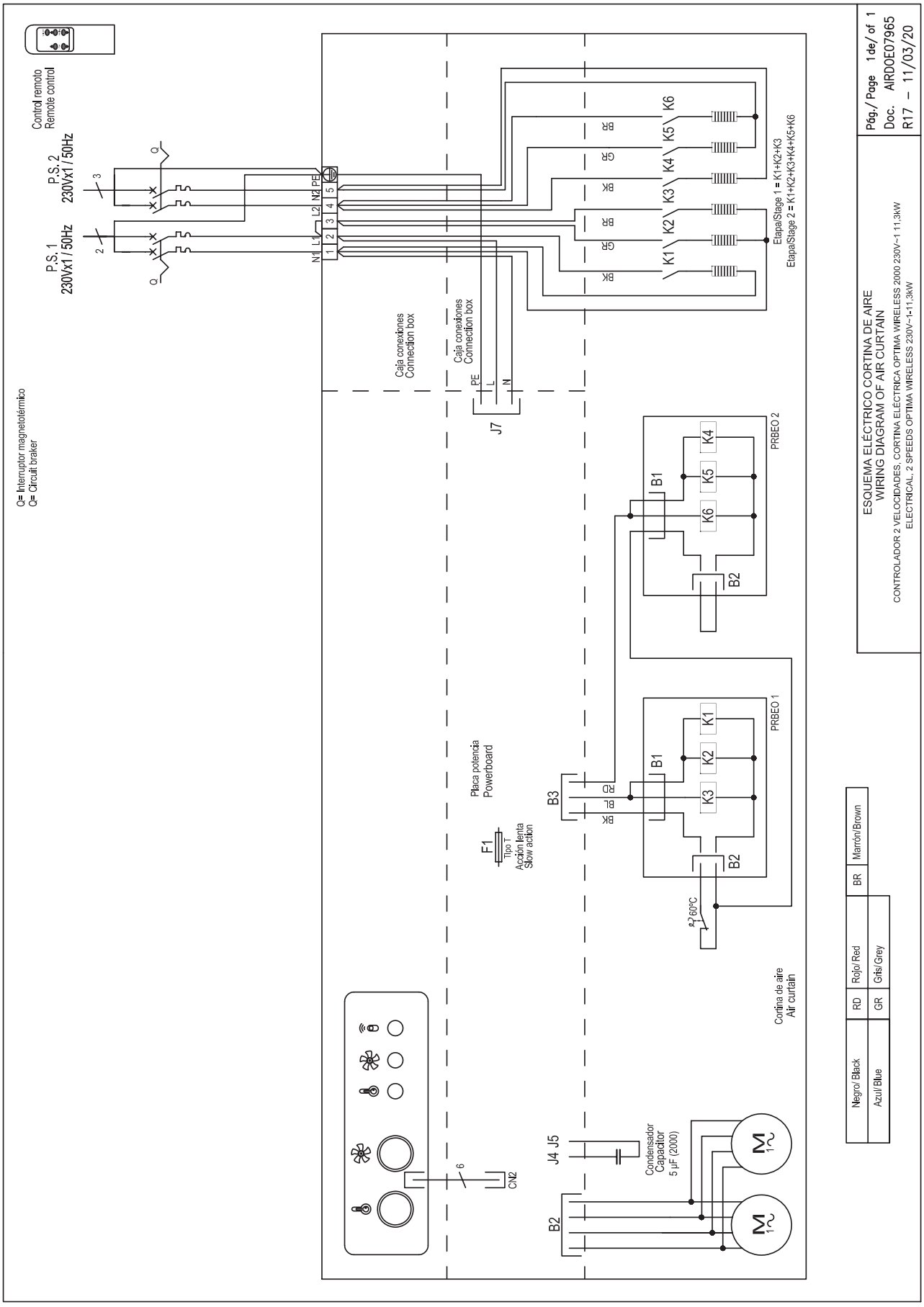
In case there is a need to connect the curtain to a PLC, the corresponding diagram is attached.

Electrical air curtain 400V~3 with PRBEO and electrical control 2000. Diagram AIRDOE07960



In case there is a need to connect the curtain to a PLC, the corresponding diagram is attached.

Electrical air curtain 230V~1 with PRBEO and electrical control 2000E230. Diagram AIRDOE07965



In case there is a need to connect the curtain to a PLC, the corresponding diagram is attached.

OPTIMA WIRELESS

Characteristics

- Self-supporting casing construction made of galvanized steel plate, finished in structural epoxy-polyester painting white colour RAL9016 as standard. Other colours are available on request.
- Micro-perforated inlet grille with filter functions and easy service. It does not need prefilter.
- Anodized aluminium outlet vanes, airfoil shaped.
- Low noise twisted cross-flow fans driven by a 2-speed external rotor motor.
- "E" type with electrical shielded elements, two stages with integrated regulation. "A" type without heating, air only.
- Included regulation with infrared remote control and inbuilt keypad with leds.

Specifications

AIR ONLY

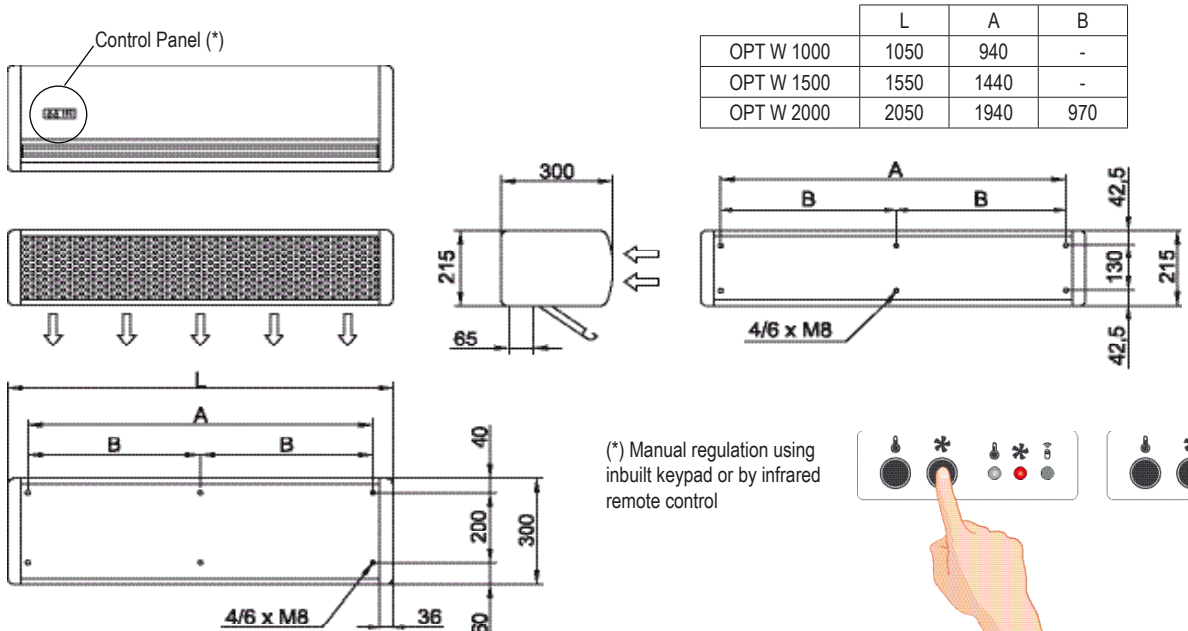
Model	Airflow m^3/h	Power Fans 230V-50Hz W	Current Fans 230V-50Hz A	Noise Level (5m) dB(A)	Weight kg
OPT W 1000 A	1500	80	0,41	35/50	17,5
OPT W 1500 A	2150	117	0,53	36/51	25,5
OPT W 2000 A	2900	160	0,82	38/53	33

ELECTRICAL HEATED

Model	Airflow m^3/h	Electrical Heating Capacity kW	Power Supply	Maximum Electrical Heating Current A	Power Fans 230V-50Hz W	Current Fans 230V-50Hz A	Noise Level (5m) dB(A)	Weight kg
OPT W 1000 E	1500	3,8/5,6	400Vx3	8,7	80	0,41	35/50	20,5
OPT W 1000 E230	1500	3,8/5,6	230Vx1	24,5	80	0,41	35/50	20,5
OPT W 1500 E	2150	6/9	400Vx3	13,0	117	0,53	36/51	27,5
OPT W 1500 E230-6	2150	3,8/5,6	230Vx1	24,5	117	0,53	36/51	27,5
OPT W 1500 E230-9	2150	6/9	230Vx1 (*)	39,1	117	0,53	36/51	27,5
OPT W 2000 E	2900	5,6/11,3	400Vx3	16,3	160	0,82	38/53	42
OPT W 2000 E230	2900	5,6/11,3	230Vx1 (*)	49,1	160	0,82	38/53	42

(*) 2 separated power supplies.

Dimensions



	L	A	B
OPT W 1000	1050	940	-
OPT W 1500	1550	1440	-
OPT W 2000	2050	1940	970

(*) Manual regulation using inbuilt keypad or by infrared remote control

MAINTENANCE INSTRUCTIONS

	**For safety, before cleaning, stop the curtain through the controller and disconnect the device from the current.**
 	**Do not open the service door (risk of electric shock and entrapment in the fans). Repairs must be carried out exclusively by authorized personnel.**
	**The inside of the device must not be cleaned with water or steam.**

Indicative periodicity of maintenance		
Nº Action	**Action**	**Frequency**
1	Cleaning of the suction grill	Bi-monthly (recommended monthly)
2	Exterior cleaning	Half yearly (quarterly recommended)
3	Interior cleaning	Half yearly (quarterly recommended)
4	Internal inspection	Biannual (recommended annual)
5	Consumption and auditory control	Biannual (recommended annual)
6	Water heating maintenance	Half yearly (quarterly recommended)
7	Electrical heating maintenance	Half yearly (quarterly recommended)

Cleaning of the suction grill

The suction grill prevents the entry of objects into the internal elements. It is a good idea to periodically check that the suction grill is free of any object that could prevent air from entering (plastic bags, paper, etc.).
It is recommended to clean the suction grill monthly. In addition, it is important to make sure that the air curtain is off, otherwise the mixture between the dust and a damp cloth would form a paste of dirt that could damage the fan rotor when it sucks in the air or clog the water coil.
An annual cleaning of the discharge area must be carried out.
If you have a microperforated suction grille (it works as a filter and prevents dust from entering the internal elements), use a vacuum cleaner with a brush so as not to damage the microperforated grille.
It is advisable to do it frequently (depending on the dirt generated) since performance is considerably reduced.

Exterior cleaning

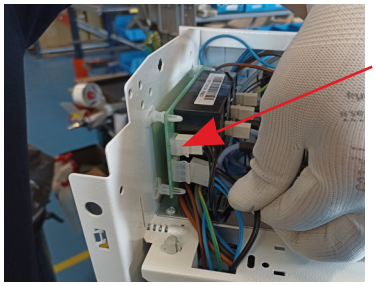
Wipe the entire outer surface of the air curtain (except the suction grille) with a damp cloth to trap dust particles. In addition to the damp cloth, neutral soaps that do not contain acids or are caustic can be used.

Interior cleaning

It is recommended to clean the inside of the unit with a vacuum cleaner at least once every 2 years. (*) It is recommended to clean the inside of the equipment frequently with the help of a vacuum cleaner, especially before the arrival of winter. (*)
(*) These periods are indicative depending on the conditions of each installation. In places with a high number of suspended particles, it is desirable to increase the frequency of interior cleaning.

Internal components visual inspection

Check that the regulation board(s) have not suffered any damage and that they are securely fastened to the equipment frame. Make sure that the board and internal wiring connectors are still well connected. Check that the fans do not move from their mountings and check that the turbines have no impediments to rotate freely (turn it by hand, first turn off the device).



Air curtain consumption and auditory control checking

Write down the consumption value of the fans that appears on the product label (located on the inside of the service door). Give power to the curtain and with the help of an ammeter, check that the electrical consumption of the curtain at maximum speed is between 110% and 85% of the value indicated on the label. Check that all fans blow air. Keep the curtain at full speed for a few minutes and listen for abnormal noises from the curtain.

Coil maintenance

To ensure good heat transmission in the air curtain exchanger, it is recommended to check the heating coils as follows:

Coil cleaning

The coil needs to be cleaned periodically with pressurized air.

Electric coil

Check that no cable has been disconnected from the battery circuit:

Type resistor for models Optima wireless in all its lengths Models.

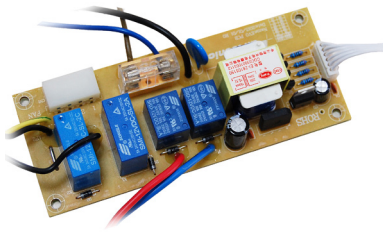
To verify the correct operation of the component, check the battery consumption per heating stage. The theoretical consumptions are shown below:

SIZE AIR CURTAIN	HEATING STAGE	OPTIMA WIRELESS MODELS			
		POWER BY STAGE AND SIZE (kW)	THEORICAL CONSUMPTION (A) 400Vx3	POWER BY STAGE AND SIZE (kW)	THEORICAL CONSUMPTION (A) 230VX1
1000	1	2,8	7,4	5,2	15,7
	2	5,6	8,1	7,3	22,1
1500	1	2,8	7,4	5,8	17,5
	2	5,6	8,1	8	24
	1	6	13,1	8,5	25,7
	2	9	13,3	12,6	38,4

REPARACIONES Y SUSTITUCIONES

Assembly and electrical connection must be carried out exclusively by specialized professionals and in compliance with these instructions.
Before carrying out any repair, it is necessary to:

	• ***Notify staff and indicate that work is being done.*** • ***Disconnect the current and protect the circuit breaker.***
	• ***Make sure there is no voltage to the unit.***
	• ***Make sure the fans have stopped.*** • ***Use only original spare parts.***



CODE	COMPONENT	COMPONENT REFERENCE	CURTAIN MODEL
ECOCME06045	Exterior rotor motor	4REC35 62Z X22-05	Optima W 1000 y 2000
ECOCME06085	Exterior rotor motor	4RET45-55S Y18-03	Optima W 1500
ECOCME06046	Exterior rotor motor	4REC35 J10-A0	Optima W 2000
LEOCCO33020	OPTIMA WIRELESS 2 speed PCB relay	PCB-OPTW-RELAYS	All sizes
LEOCCO33022	OPTIMA WIRELESS 2 speed botons PCB	PCB-OPTW-BUTTONS	All sizes

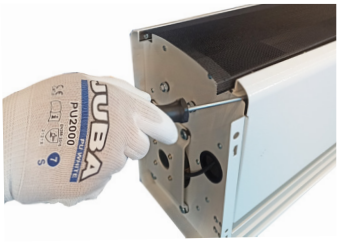
Service door opening

1. Remove the curtain side panel, gently pry between the grille and the door with a flat blade screwdriver and open the service door with both hands.

1

2

3

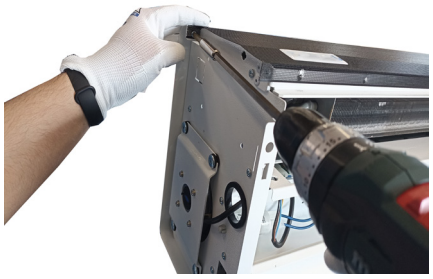


4

Fan replacement

Before changing the fan, notify and indicate that it is working, disconnect the power supply, making sure that there is no voltage and that the fans have stopped.
Next, open the grille, identify and release the fan cables. Remove the side (4 screws), unscrew the motor, unscrew the turbine from the shaft and mount the replacement motor following the process in reverse order.

1



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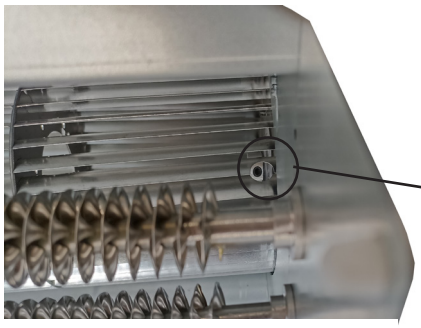

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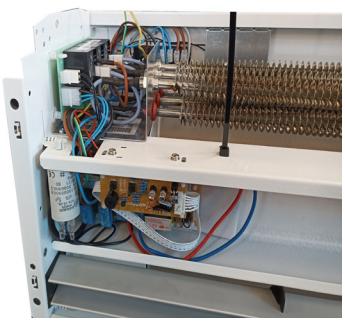

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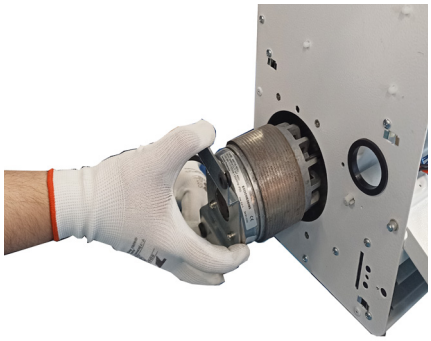
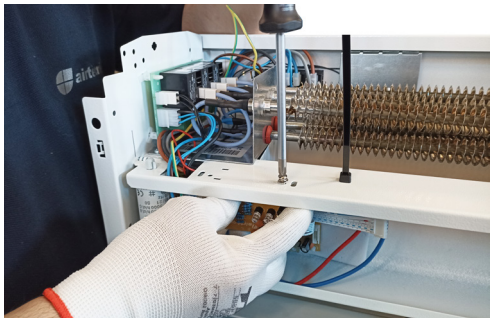
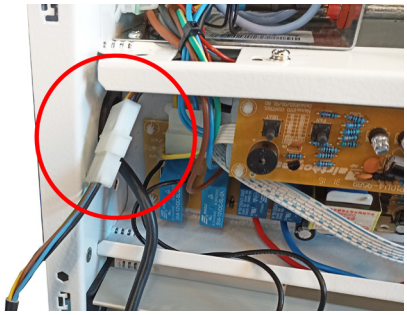
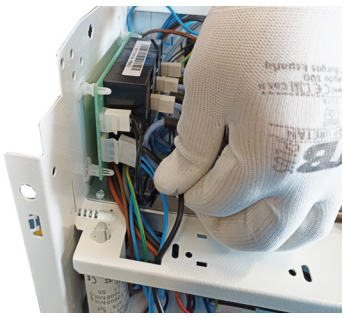
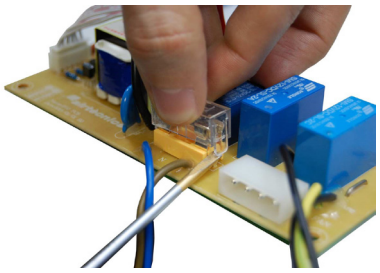


Sustitución de la placa potencia o fusible

Antes de cambiar la placa de potencia o fusible, avisar e indicar que se está trabajando, desconectar la alimentación de la corriente, asegurarse de que no hay tensión y que se han detenido los ventiladores.
Cambio placa de potencia: abrir la puerta de servicio y desconectar los cables de la PCB. Retirar los tornillos de sujeción de la placa de potencia por la parte interior de la cortina para sacar la placa y realizar la reparación necesaria.

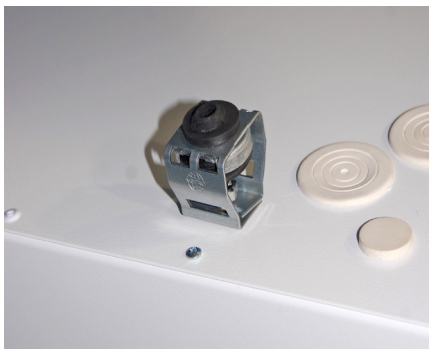
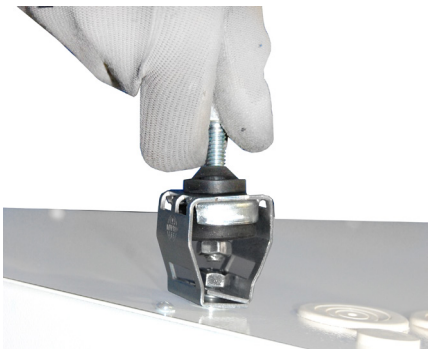
Cambio fusible: quitar la pcb de la cortina para mejor maniobrabilidad, quitar la carcasa de protección del fusible y sacar el fusible con la mano o con la ayuda de un destornillador. Proceder a hacer el recambio y a seguir el proceso inverso para dejar la cortina funcional.



Recomendación: instalación con silentblocks

Para reducir el nivel sonoro y las vibraciones de la cortina, se recomienda realizar una instalación con silentblocks:

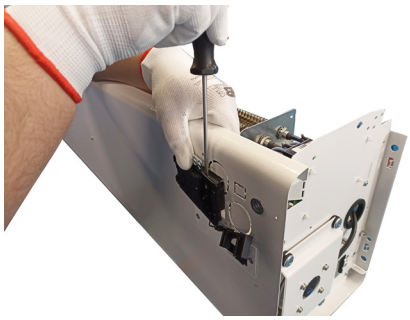
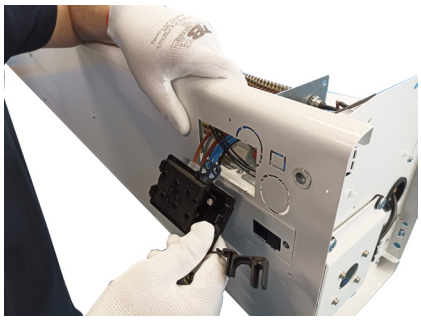


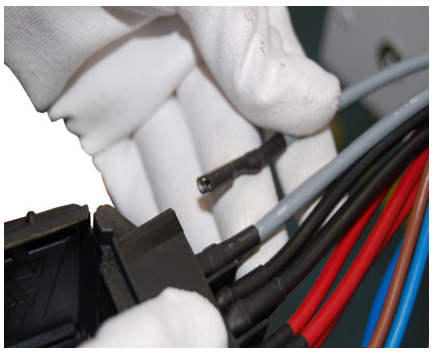



Coil replacement

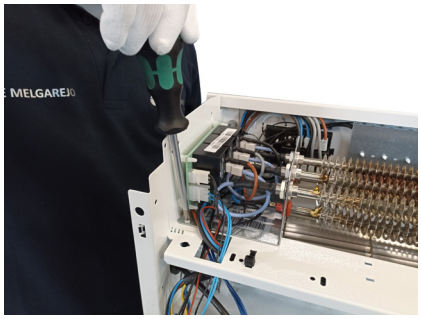
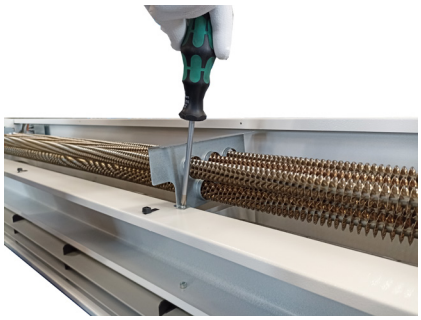
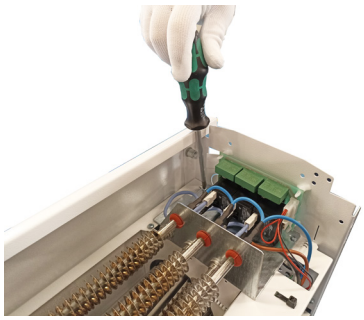
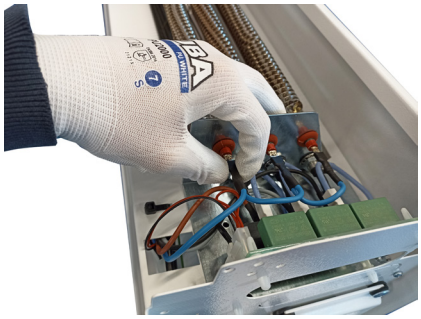
Electric Coil: disconnect the power supply from the battery itself. To do this, remove the black connection box from the curtain cabinet.



To remove the coil, remove the suction grille (process shown in water coil). Remove the screw from the connecting phase to gain access to the coil. Unscrew the fixing screws (see table at the bottom of the page to count the screws to be removed), disconnect the PRBEO cables from both parts of the coil and remove the coil with both hands.

Curtain size	Nº coil fixings screws
1000	4
1500	6
2000	6

TROUBLESHOOTING

More than **95% of the claims** occur during the start-up of the equipment and are due to installation errors. Reviewing the following 3 points solves more than 90% of the incidents:

A) RJ45 cable manipulated: the cable connecting the control to the air curtain is an 8-way crossover RJ45 cable. If it is manipulated (cut or remove the connector) and spliced backwards, the shade will not work properly and may also damage the electronics. Only re-splicing the connector correctly solves the problem (connection diagram).

B) RJ45 cable wrong connection. Check if the position of the connector is correct between “control” or “auxiliary” according to the installation diagram (especially if there is more than one air curtain with a single controller).

C) Incorrect feeding. The supply of the air curtain depends on the type of current available and the type of heating of the equipment. Connect following the diagram scheme.

Most commons problems and solutions		
Symptom	**Problem**	**Solution**
No light on remote control	Is the RJ45 cable the original without splices or shortening?	Change the cable or reconnect it correctly.
	Does the current reach the connection box?	Correctly connect the terminals of the connection box: Between L and N there must be 230V. If the curtain has a three-phase electric battery, there must be 400V between terminals L1, L2 and L3.
	Is the control connected to the “Control” connector on the board?	Connect the control cable to the “Control” connector on the board (printed circuit), never to the “Aux”.
	Is the fuse on the board in good condition?	Check the fuse and change it if necessary (type T, slow action).
Some lights on the remote control flash	The green maximum speed LED flashes when the curtain stops after having been running with heating	It is not a bug, but a security mechanism. The curtain runs at full speed to cool down and protect components. When it drops below the safety temperature it will stop
	Speed or heating lights flash with the air curtain running	It is a protection mechanism for the curtain so that the internal components are not damaged.
		Situations in which the problem is continually repeated and how to avoid them: 1. Clogged suction grille (dirt, objects...) the temperature of the air inside the equipment can increase a lot if it does not circulate correctly. Keep the fence clean. 2. Small room size: it is recommended to install a thermostat to regulate the heating power without the protection being activated. 3. If the ambient temperature of the room is high, it is recommended to lower the heating power or install a thermostat 4. Suction of already hot air coming from a heating equipment outside the air curtain. Move the curtain away, put a thermostat on the suction or lower the heating power. 5. Some motor does not work: notify the technical service.
The heating does not work	Does the triphasic current reach the connection box?	Check installation.
The speed and/or the heating vary constantly for no apparent reason but the control lights do not flash	Surely the telephone type cable passes near sources of interference, emitters, cable trays, especially those that feed motors, etc.	Run the cable as far away as possible from sources of interference (especially on long runs) or use a shielded cable

ACCESORIOS

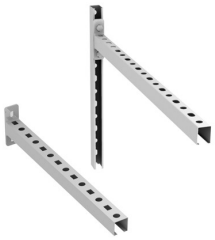
External temperature probe
It allows to take the temperature in a place other than the regulator.

Interface II
Allows connection to a centralized management system

Digital thermostat
Allows you to modify the heating stages and/or the air speed depending on the temperature and the chosen program

Ambient thermostat
Limits heating operation to the selected temperature.

Brackets, feet, shock absorbers, etc. (depending on model).



Door contact

DECLARATION OF CONFORMITY

airtècnics

Declaration CE of conformity / Declaración CE de conformidad

Manufacturer **Motors i Ventiladors S.L. (AIRTÈCNICS)**
Fabricante **Conca de Barberà 6, Pol. Ind. Pla de la Bruguera**
08211 Castellar del Vallès (Barcelona) Spain

We declare, under our sole responsibility, that the product
Declaramos, bajo nuestra única responsabilidad, que el producto

Air Curtains
Cortinas de aire

with models / *con los modelos*

Minibel, Optima, Recessed Optima, Optima Wireless, Recessed Optima Wireless, Windbox, Recessed Windbox, Smart, Dam, Deco, Kool, Variwind, Rotowind, Invisair, Rund, Zen, Triojet System, Duojet, Max, Recessed Dam, Recessed Compact, Maxwell, Windbox BB, Recessed Windbox BB, Zen BB, Compact Fly, Aris, Fly K, Fly KL-KXL, Fly KBB, Windbox L-XL.

is/are developed, designed and manufactured in accordance with the following directive(s)
ha(n) sido desarrollado(s), diseñado(s) y fabricado(s) de acuerdo con la(s) siguiente(s) directiva(s)

Low Voltage Directive 2014/35/EU
Directiva Baja Tensión 2014/35/UE

Electromagnetic Compatibility Directive 2014/30/EU
Directiva Compatibilidad Electromagnética 2014/30/UE

Restriction Certain Hazardous Substances Directive 2011/65/EU (RoHS)
Directiva Restricción Substancias Peligrosas 2011/65/UE

Eco-design Energy-related Products Directive 2009/125/EC
Directiva Diseño Ecológico Productos Con Energía 2009/125/CE

applying the following harmonized standards in particular
aplicando las siguientes normas harmonizadas en particular

LVD: **EN 60335-1:2012 + AC:2014 + A11:2014 + A13:2017 + A1:2019 + A:14:2019 + A2:2019**
EN 60335-2-30:2009 + A11:2012 + A1:2020 + A12 :2020

EMC: **EN 61000-3-11:2002**
EN 61000-3-12:2012
EN 55014-1:2017
EN 55014-2:2015
EN 62233:2008 + AC:2008

RoHS: **EN 50581:2012**

Date / *Fecha* **03/12/2021**
Name / *Nombre* **Jordi Hierro**
Position / *Cargo* **Technical Manager / *Director Técnico***

MOTORS I VENTILADORS, S.L.
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Tel. 937159988 - Fax 937159989

airtècnics

UK CA

UK Declaration of conformity

Manufacturer **Motors i Ventiladors S.L. (AIRTÈCNICS)**
Conca de Barberà 6, Pol. Ind. Pla de la Bruguera
08211 Castellar del Vallès (Barcelona) Spain

We declare, under our sole responsibility, that the product

Air Curtains

with models

Minibel, Optima, Recessed Optima, Optima Wireless, Recessed Optima Wireless, Windbox, Recessed Windbox, Smart, Dam, Deco, Kool, Variwind, Rotowind, Invisair, Rund, Zen, Triojet System, Duojet, Max, Recessed Dam, Recessed Compact, Maxwell, Windbox BB, Recessed Windbox BB, Zen BB, Compact Fly, Aris, Fly K, Fly KL-KXL, Fly KBB, Windbox L-XL.

is/are developed, designed and manufactured in accordance with the following regulation(s)

Electrical Equipment (Safety) Regulations 2016 No. 1101

Electromagnetic Compatibility Regulations 2016 No. 1091

The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 No. 3032

The Ecodesign for Energy-Related Products and Energy Information (Amendment) (EU Exit) Regulations 2019 No. 539

applying the following harmonized standards in particular

LVD: **BS EN 60335-1:2012+A2:2019**
BS EN 60335-2-30:2009+A12:2020

EMC: **BS EN IEC 61000-3-11:2019**
BS EN 61000-3-12:2011
BS EN IEC 55014-1:2021
BS EN IEC 55014-2:2021

RoHS: **BS EN IEC 63000:2018**

Date **14/06/2021**
Name **Jordi Hierro**
Position **Technical Manager**

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ESB58967183 - C/ Conca de Barberà, 6
08211 Castellar del Vallès
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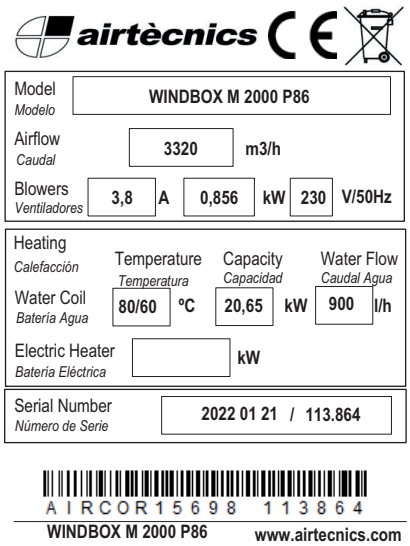
IDENTIFICATOR



All air curtains are identified by a unique serial number printed on a label located on the inside of the service door. It also indicates the model of the curtain and its technical characteristics (flow rate, technical data of the fans and heating power).
It is essential to have this number to facilitate possible spare parts or technical information on the curtain in question.

GUARANTEE

Your air curtain is guaranteed for a period of one year from the date of purchase. We will adjust, repair or replace at our discretion from our warehouse any defect, system failure or part found to be defective. The assembly cost out of our warehouse is at buyer expense. The products that, in our eyes, have been inadequately used, incorrectly manipulated, improperly installed, connected to different nominal tensions, modified, repaired by non-authorized workers or that have suffered damages during transport are totally excluded from the guarantee.

To validate the guarantee it should be correctly filled and enclosed with the invoice that vouches for the buying date. If it is manipulated, it will lose all validity.
It is the buyer's responsibility to take the necessary safety measures because in case of a failure or mistake in one of one our products, no damages to third parties, sets or installations will occur.

✂ —

Guarantee draft

Air curtains data:

Model: ..... *Series number: .....*

Invoice date::..... *Invoice number: .....*

Buyer data:

Name: .....

Adress: .....

Country: ..... *Phone: .....* *Mail:.....*

Seller data:

Name: .....

Adress .....

Country: ..... *Phone: .....* *Mail:.....*

Buyer signature and stamp ***Seller signature and stamp***

✂ —

If you detect some error in this manual, we'll be pleased to receive your feedback, it helps us to improve even more.
Airtècnics reserves the right to modify some of the specifications in this manual

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