

## R10 series SENSORS



### R10 HY Remote Humidity Sensor

- The sensor **automatically** switches ON/OFF the fan according to the detected level of relative humidity, **adjustable from 40 to 90%**.
- The permanent control of the humidity level offers important advantages: maximum comfort for the user and energy saving as the fan is activated only if necessary.
- Suitable for surface and built-in installation
- Ease of connection by the means of removable terminals
- Preset holes for surface or recessed cable entry
- **Max load 4 A**
- Single-phase 230V / 50-60 Hz
- Class II protection, no earth connection is needed
- **Provided with protection fuse**
- Weight: 0,5 Kg
- Dimensions 110x80x42 mm



### R10 P.I.R Remote Passive Infrared Sensor

- The fan goes on any time the sensor detects a human presence in the room
- **Provided with integral delay timer adjustable from 3 to 25 minutes**, which keeps the fan running for the pre-set period after the room is vacated
- **Ideal solution for public toilets**
- The green led indicates that the sensor is detecting
- Suitable for surface and built-in installation
- Ease of connection by means of removable terminals
- Preset holes for surface or recessed cable entry
- **Max load 4 A**
- Single-phase 117 - 230V / 50-60 Hz (different voltage upon request)
- Class II protection, no earth connection is needed
- **Provided with protection fuse**
- Weight: 0,5 Kg
- Dimensions 110x80x42 mm



### CO<sub>2</sub> Sensor

- The fan automatically starts running when the sensor detects a CO<sub>2</sub> concentration included in a range from 500 to 2000 ppm
- Provided with 5 LED that indicate the level of CO<sub>2</sub> concentration in the air
- Voltage : 14 V - 48 V DC / 16 V - 36 V AC
- Ampere: Inom 0,02 / Imax 0,1
- Protection IP20
- Suitable for ambient temperature from 10°C to 40°C
- Dimensions (Lxpxh): 79x30x120 mm
- Weight 0,1 kg

## ELECTRONIC CONTROLLERS



## SPEED CONTROLLERS



**R10**

- Infinitely variable electronic speed controller by potentiometer
- New design with cover
- **Suitable for surface and built-in application**
- Ease of connection by the means of removable terminals
- External trimmer for the adjustment of the fan minimum speed
- Protection fuse
- Preset holes for surface and recessed cable entry
- Single-phase 230V – 50 Hz
- **Max. load 1A**
- Protection IP42
- Weight 0,5 Kg
- Dimensions 110x80x42



**R15**

- Infinitely variable electronic speed controller by potentiometer
- New design with cover
- ON/OFF light switch
- **Suitable for surface and built-in application**
- Ease of connection by the means of removable terminals
- External trimmer for the adjustment of the fan minimum speed
- Protection fuse
- Preset holes for surface and recessed cable entry
- Single-phase 230V – 50 Hz
- **Max. load 1,5 A**
- Protection IP42
- Weight 0,5 Kg
- Dimensions 138x80x42



**RV1**

- Electronic speed controller
- Infinitely variable speed control by potentiometer.
- ON/OFF switch
- IP42 protection
- **Max. load: 800 W (4A)**
- **Min. load: 400 W (1A)**
- Supply voltage: 230V-50 / 60 Hz
- Sizes: 110x100x58 mm
- Weight: 0,5 kg



**R10 TIMER**  
Remote timer

- **Electronic timer, adjustable from 3 to 25 minutes**
- The fan to which it is connected will overrun after switch-off for the pre-set time.
- Time adjustment via external knob
- ON/OFF light switch
- New design with protection cover
- Suitable for surface and built-in installation
- Ease of connection by means of removable terminals
- Preset holes for surface or recessed cable entry
- **Max load 4 A**
- Single-phase 117-230V / 50-60 Hz
- Class II protection, no earth connection is needed
- **Provided with protection fuse**
- Weight: 0,5 Kg
- Dimensions 110x80x42 mm

## CONTROLLERS WITH TRANSFORMER



## SPEED CONTROLLERS



**RLS**  
2 speeds

- **Speed control (Min/Max) and On/Off switch**
- New design with cover
- **Suitable for surface or built-in installation**
- Ease of connection by the means of removable terminals
- Protection IP42
- Weight 0,40 Kg
- Supply voltage 230V – 50/60 Hz
- Dimensions 110 x 80 x 42



**RLS 3V**  
3 speeds

- **Remote 3 speed control (Min/Max) and On/Off switch**
- New design with cover
- **Suitable for surface or built-in installation**
- Ease of connection by the means of removable terminals
- Protection IP42
- Weight 0,40 Kg
- Supply voltage 230V – 50/60 Hz
- Dimensions 110 x 80 x 42



**RVS**  
5 speeds

- **5 steps speed controller** (fitted with transformer)
- ON/OFF switch
- IP42 protection
- **Max. load: 100 W (0,5 A)**
- Supply voltage: 230V-50/60 Hz
- Sizes: 118 x 118 x 58 mm
- Weight: 0,7 kg



**RVS/R**  
3 speeds

- **Reversible speed controller**
- ON/OFF switch
- IP42 protection
- **Max. load: 0,5A**
- Supply voltage: 230V-50/60 Hz
- Sizes: 118 x 118 x 58 mm
- Weight: 0,7 kg



**RVS/R**  
5 speeds

- **Reversible speed controller**
- ON/OFF switch
- IP42 protection
- **Max. load: 0,5 A**
- Supply voltage: 230V-50/60 Hz
- Sizes: 118 x 118 x 58 mm
- Weight: 0,7 kg



**RVS/R PLUS**  
6 speeds

- **Reversible multi controller**
- Regulation up to 5 pcs of VITRO 9 or 3 pcs of VITRO 12 contemporaneous.
- ON/OFF switch
- IP42 protection
- **Max. load: 1,5 A**
- Supply voltage: 230V-50/60 Hz
- Sizes: 158 x 118 x 76 mm
- Weight: 1,8 kg



**RLS 1 WR**

- **Remote controller**
- Manual selection of three modality of continuous running:
  - I - Low ventilation modality
  - II - Intermediate ventilation modality
  - III - Intensive ventilation modality
- Weight 0,50 Kg
- Dimensions 75 x 75 x 30
- **Supplied with REC in linea EC**
- **140 - 180 - 220 / REC 320**

# CONTROLLERS



## CONTROLLERS WITH TRANSFORMER



## SPEED CONTROLLERS



### TOUCH PANEL

Touch panel controller with coloured screen

The panel allows to manually or automatically activate (through the weekly programming) the following functions:

- Speed/ventilation level regulation
- Ventilation modality (by-pass function, free-cooling, only extraction, only immission)
- Threshold humidity level over which the unit increases its speed
- Post-ventilation function (Timer function, adjustable from 0 to 30 minutes) to delay the switching of the unit at the minimum speed)
- Sleep modality that allow to have the unit running silently at low speed during the night

**Supplied with**

- REC in linea TC 140 - 180 - 220,
- REC 320 Plus TC
- REC Smart + TC



### REMOTE CONTROLLER

Remote radio controller to activate the following functions (Radio frequency 433 MHz)

Through the remote radio controller it is possible to activate the following functions:

- On/Off
- Speed/ventilation level regulation
- Sleep modality that allow to have the unit running silently at low speed during the night (the boost function is excluded)
- Post-ventilation function (Timer function, adjustable from 0 to 30 minutes) to delay the switching of the unit at the minimum speed

**Supplied with**

- REC Smart + RC



### REMOTE CONTROLLER

Remote radio controller to activate the following functions (Radio frequency 433 MHz)

**0 - On/off**

**1 - Push-pull operation modality**

24 hours reverse flow running at the selected speed

**2 - Speed 1** - Low speed set up

**3 - Speed 2** - Low speed set up

**4 - Boost speed with timer** (extraction mode only)

**5 - Sleep mode** the operation at low speed is frozen for 8 hours to ensure high acoustic comfort during the night. The function can be unblocked at any time by pressing any button (except button 0).

**6 - Flow control** operation in intake or extract mode only.

Press once: extraction mode

Press twice: intake mode

**7 - Free-cooling mode: air exchange without heat recovery**

No reverse flow. Press once: the reverse flow stops and the fans go on running at the current flow. Press twice: all fans reverse their flow and go on running at the new selected flow.

Supplied with REC DUO 100 Plus RC

# E-VSD



### VARIABLE SPEED DRIVE

Controller that continuously adapts the electrical power supplied to the motor in order to regulate the ow rate through the control panel interface **CP-RH** or **CP-AQS**

**CHARACTERISTICS**

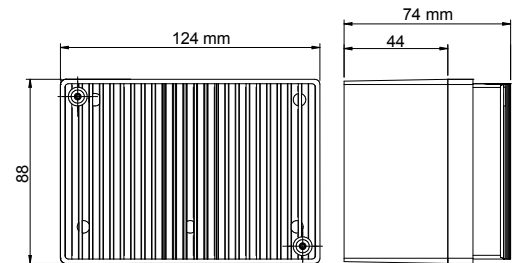
**Supply:** 220 - 240 Vac ; 50/60Hz.

**Maxim un Power: 300 W**

**W a terproof: IPX4**

**Main materials:** Aluminium cover

Selfestingishing casing (UL - 5VA) for surface mounting installation



# CONTROL PANEL



CP-RH



CP-AQS

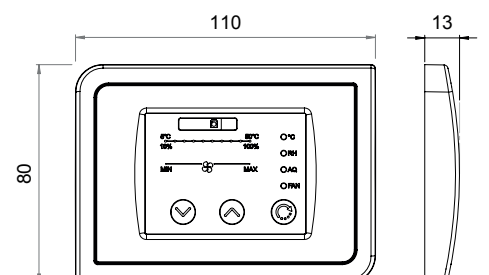
**CHARACTERISTICS**

**Control panel:**

Measures a set of (control) parameters representative of the ventilation demand / quality of the indoor air.

Interface with E-VSD controller.

FUNCTION:	CP-RH	CP-AQS
Temperature control	●	●
Relative humidity detection	●	●
Air quality control		●
Continuous Speed Regulation	●	●



# CHOOSE THE RIGHT CONTROLLER



FANS	TRANSFORMER				ELECTRONIC	BUILT-IN ELECTRONIC		
	RVS	RVS1	REVERSIBLE		RLS	RV1	R10	R15
			RVS/R 3V - 5V	RVS/R PLUS				
AXC 100 A/B - 125 A/B - 150 A - 160 A	●						●	
AXC 150 B - 160 B		●					●	●
AXC 200		●					●	●
AXC 250		●					●	●
AXC 315		●						
AXC TP 100-125-150-160	●						●	
AXM 100 - 125 - 150 - 160 - 200	●						●	
AXR	●						●	
BUILT-IN 9		●	●	MAX 5				
BUILT-IN 12		●	●	MAX 3				
ECO LINE	●						●	
ELEGANCE	●						●	
ELIX	●						●	
ELPREX	●						●	
E-SMILE	●						●	
E-STYLE	●						●	
EXT 100 - 125 - 150 A - 160 A	●						●	●
EXT 150 B - 160 B - 200 A/B							●	●
JOLLY	●						●	
FLUX	●						●	
MINISTYLE	●						●	
MURO	●						●	
MRF 100 - 125 - 150	●						●	●
MRF 160 - 200 - 250		●					●	●
MRF 315		●						
RADIA	●						●	
TUBO	●						●	
VITRO 6/150 A	●						●	
VITRO 9/230 Automatic / Reversible		●	●	MAX 5				
VITRO 12/300 Automatic / Reversible		●	●	MAX 3				

HRU	TOUCH PANEL	REMOTE CONTROLLER	RLS	RLS 3V	RLS 1 WR	CP AQS	CP RH
REC Duo 100 - DUO 100 MHY			●				
REC Duo 100 PLUS RC		● (supplied)	●				
REC Smart standard			●				
REC Smart MHY			●				
REC Smart Plus RC		● (supplied)					
REC Smart Plus TC	● (supplied)						
REC Sanair		●					
REC in linea 180 AC				●			
REC in linea 220 AC				●			
REC in linea 140 EC	●				● (supplied)		
REC in linea 180 EC	●				● (supplied)		
REC in linea 220 EC	●				● (supplied)		
REC in linea 140 EC Plus TC	● (supplied)						
REC in linea 180 EC Plus TC	● (supplied)						
REC in linea 220 EC Plus TC	● (supplied)						
REC 280 AC				●			
REC 320 EC	●				● (supplied)		
REC 320 PLUS TC	● (supplied)						
MICROBOX CONTROL+ AQS - MULTIBOX CONTROL+ AQS						● (supplied)	
MICROBOX CONTROL+ HY - MULTIBOX CONTROL+ HY							● (supplied)
MICROBOX EC AQS - MULTIBOX EC AQS						● (supplied)	
MICROBOX EC HY - MULTIBOX EC HY							● (supplied)

# Accessories

	<b>AL</b> Back-draught shutter.	MINISTYLE E-STYLE		<b>LIGHT KIT</b>	POLAR
	<b>SA</b> Back draught shutter.	AXC MET AXC TP AXM		<b>KIT RVS/RVS-R</b> Built-in wall kit for RVS and RVS-R speed controllers.	
	<b>CA</b> Outlet connection piece with back draught shutter Ø 100-120 mm.	FLUX		<b>FILTER</b> Metal grease filter	E-SMILE FLUX RADIA
	<b>SG</b> Safety grille.	AXC MET AXM		<b>WINDOW KIT</b> Window kit with external fixed grille.	ECO GG ECO A
	<b>PL</b> Wall cover plate.	MINISTYLE ECO GG-GF-A		<b>WINDOW KIT</b> Window kit with external gravity shutter.	ECO GF
	<b>WPL</b> WALL CONNECTING PLATE for round pipe	Ø 100 mm Ø 125 mm Ø 150 mm		<b>MGE</b> External gravity shutter.	MINISTYLE TUBO ECO GF
	<b>SF</b> Kit for double window installation.	VITRO		<b>MFE</b> External fixed grille.	E-SMILE / MINISTYLE TUBO / E-STYLE ECO GG ECO A
	<b>SM</b> Kit for wall installation.	VITRO		<b>BCR</b> White Round grille with net.	Ø 100 mm Ø 125 mm Ø 150 mm Ø 200 mm
	<b>SV</b> Kit for double glazed window installation.	VITRO		<b>BC</b> VENTILATION WHITE ROUND GRILLE for indoor and outdoor use, for furniture, doors, fillings and vent pipes, whitout flyscreen	Ø 100 mm Ø 125 mm Ø 150 mm Ø 200 mm
	<b>SX</b> Wall fixing brackets.	AXC MET		Transformer for SELV products	ELIX FLUX E-STYLE
	<b>SXP</b> Wall fixing plate for TP centrifugal in line fans.	AXC TP		<b>BEIP</b> inlet/outlet round ventilation grille	Ø 100 mm Ø 125 mm
	<b>FA</b> Hose clamps.	AXC MET AXC TP		<b>BEA</b> ventilation grille	30 m3/h Ø125 mm 60 m3/h Ø125 mm
	<b>SIL</b> Silencers.	AXC MET		<b>BH</b> humidity controlled ventilation grille	10/60 m3/h
	<b>RODS</b> cm 30 cm 90	POLAR Evolution			

A wide range of ducts and accessories for heat recovery ventilation is also available.