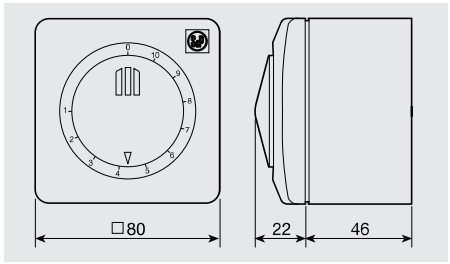
REB-1N / REB-1NE / REB-2,5N / REB-2,5NE

Electronic single phase speed controllers. Available in wall box or flush mount versions.
Fuse protected + spare fuse included.
Minimum speed adjustment.
Single ON/OFF and speed regulation control knob.



Model	Electrical supply		IP Protection	Power (VA)	Maximum current (A)	Minimum current (A)	Class	Operating temperatur range (ºC)
	Frequency (Hz)	Voltage (V)						
REB-1N/1NE	50	220-240	IP44	220	1	0,15	Class II	0 /+40
REB-2,5N/2,5NE				550	2,5	0,15		

REB-5

LxWxH (mm): 83 x 81 x 160

Electronic single phase speed controller.
Surface mounted.
Fuse protected.
Minimum speed adjustment.
Separate ON/OFF switch.

Model	Electrical supply		IP Protection	Power (VA)	Maximum current (A)	Class	Operating temperature range (ºC)
	Frequency (Hz)	Voltage (V)					
REB-5	50	230	IP54	1150	5	Class I	+5 / +35

REB-10

LxWxH (mm): 115 x 95 x 195

Electronic single phase speed controller.
Surface mounted.
Fuse protected.
Minimum speed adjustment.
Separate ON/OFF switch.

Model	Electrical supply		IP Protection	Power (VA)	Maximum current (A)	Class	Operating temperature range (ºC)
	Frequency (Hz)	Voltage (V)					
REB-10	50	230	IP54	2300	10	Class I	+5 / +35

LxWxH (mm): 90 x 54 x 134

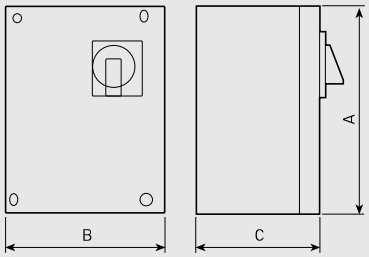
RRB-100

Electromechanical single-phase speed controller.
Variable reactance.
Surface mounted.
Five position knob.

Model	Electrical supply		IP Protection	Power (VA)	Maximum current (A)	Class	Operating temperature range (ºC)
	Frequency (Hz)	Voltage (V)					
RRB-100	50	230	IP20	94,3W	0,41	Class II	5-45ºC

RMB

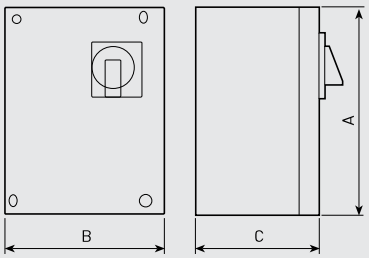
Single phase speed controller by auto-transformer.
IP56 ABS casing.
Electrical supply: 1/230V/50-60Hz.
Five position knob (0/1/2/3/4).
Voltage: 80, 105, 130, 160 and 230 V.
Pilot light.



Model	Maximum current (A)	Casing	IP Protection	Dimensions			Weight (kg)
				A	B	C	
RMB-1,5	1,5	ABS	IP56	230	180	95	3
RMB-3,5	3,5						4
RMB-8	8			310	230	125	10
RMB-10	10						12

RMT

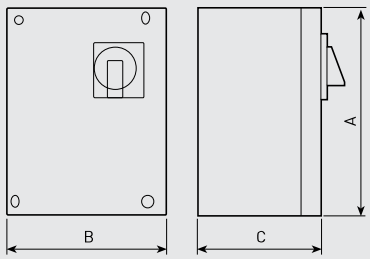
Three phase speed controller by auto-transformer.
IP54 ABS casing for RMT-1,5 and RMT-2,5 models.
IP54 metallic casing from RMT-5 to RMT-12 models.
Electrical supply: 3/400V/50-60Hz.
Five position knob (0/1/2/3/4).
Voltage: 90, 150, 200, 280 and 400 V.
Pilot light.



Model	Maximum current (A)	Casing	IP Protection	Dimensions			Weight (kg)
				A	B	C	
RMT-1,5	1,5	ABS	IP54	300	220	125	6
RMT-2,5	2,5	ABS		300	220	125	13
RMT-5	5	Metallic		300	247	200	16
RMT-8	8	Metallic		400	300	205	21
RMT-12	12	Metallic		400	300	205	30

REV

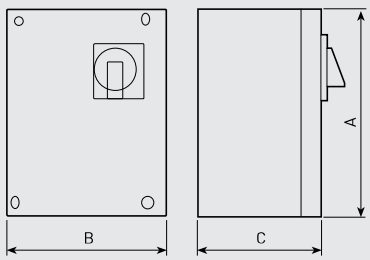
Auto-transformer.
Single phase 230V-50 Hz.
Wall mounting.
IP44.
Motor PTO connection.
Maximum switch output: (1A).



Model	Maximum current (A)	Dimensions			Weight (kg)
		A	B	C	
REV-1,6N	1,6 A	240	190	120	3
REV-3N	3 A	240	190	120	5
REV-5N	5 A	240	190	120	6
REV-7N	7 A	240	190	120	7
REV-10N	10 A	290	240	160	12

RDV

Auto-transformer.
Three phase 400V-50 Hz.
Wall mounting.
IP44.
Motor PTO connection.
Maximum switch output: (1A).



Model	Maximum current (A)	Dimensions			Weight (kg)
		A	B	C	
RDV-0,8N	0,8 A	290	240	160	5,8
RDV-1,2N	1,2 A	290	240	160	8
RDV-2,5N	2,5 A	290	240	160	11,2
RDV-3,2N	3,2 A	290	240	160	14,7
RDV-5N	5 A	340	290	160	18,5
RDV-7N	7 A	340	290	160	21
RDV-10N	10 A	400	300	200	38

LxWxH (mm): 85 x 90 x 120

PARO/MARCHA 5P and PARO/MARCHA 8P

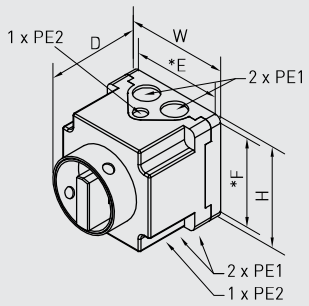
ON/OFF Electrical isolation switch.

PARO/MARCHA 5P (ON/OFF 5P):
Five pole electrical isolation switch.
One speed motor application (3 wires).
Maximum absorbed current: 20A.
Open / close position reset.
IP66 / IP67 protection.
3x380V / 3x440V motors.
1x220-240V motors.

PARO/MARCHA 8P (ON/OFF 8P):
Eight pole electrical isolation switch.
Two speed motor application (6 wires).
Maximum absorbed current: 20A.
Open / close position reset.
IP55 protection.
3/380-440V motors.

INTZ

ON/OFF electrical isolation switch.
3 and 6 pole electrical isolation switch.
3-point lock.
Open / close position reset.
230V single-phase or 400V-50/60Hz three-phase motor.
IP55 Protection Index: outdoor installation if possible.
Supplied with cable.

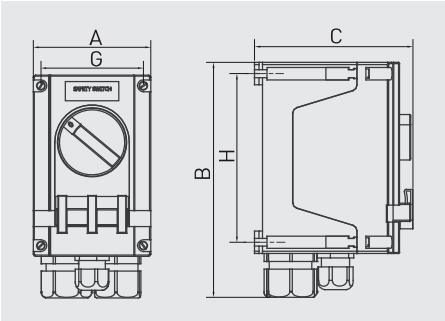


Model	Switch output main contacts (AC23)		W (mm)	H (mm)	D (mm)	E* (mm)	F* (mm)	PE1	PE2
	Confort	Smoke extract**							
				1 speed					
INTZ 1V15	15,4 A	10,2 A	90,5	90,5	102	80	80	M20	M12
INTZ 1V22	22,4 A	14,9 A	115	115	136	100	100	M25	M16
INTZ 1V29	29,8 A	19,8 A	115	115	136	100	100	M25	M16
INTZ 1V43	43 A	28,6 A	145	145	158	130	130	M25/32/40	M20
INTZ 1V68	68 A	45,3 A	167	220	144	151	203	M25/32/40	M20
				2 speed					
INTZ 2V15	15,4 A	10,2 A	90,5	90,5	139	80	80	M20	M12
INTZ 2V22	22,4 A	14,9 A	115	115	163	100	100	M25	M16
INTZ 2V29	29,8 A	19,8 A	115	115	163	100	100	M25	M16
INTZ 2V43	43 A	28,6 A	145	145	188	130	130	M25/32/40	M20
INTZ 2V68	68 A	45,3 A	216	267	170	190	242	M40/50	M20

* Mounting dimensions.
** Accordance with the regulations: smoke extract size = size confort/1.5.

INTZ ATEX

ON/OFF electrical isolation switch.
3 and 6 pole electrical isolation switch.
Electrical supply:
Single phase 230V-50/60Hz.
Three phase 400V-50/60Hz.
IP66.



Model	A	B	C	G	H	Ø
INTZ 02.10 ATEX	84	135	112	68,5	61,5	5,5
INTZ 02.20 ATEX	110	208	141	96	150	7
INTZ 02.40 ATEX	140	270	168	126	197	7
INTZ 04.20 ATEX						
INTZ 04.40 ATEX	271	316	275	247	247	7

Model	Maximum current (A)	Weight (kg)
3 pole, 1 speed		
INTZ 02.10 ATEX	10	0,55
INTZ 02.20 ATEX	20	1,48
INTZ 02.40 ATEX	40	2,75
6 pole, 2 speed		
INTZ 04.20 ATEX	20	2,43
INTZ 04.40 ATEX	40	6,5

LxWxH (mm): 85 x 90 x 120

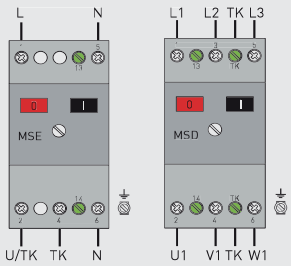
COM D/S

Three phase fan Y / Δ switch.
Rotary switch with three positions, OFF, Y and Δ.
Maximum absorbed current: 20A.
IP67 protection.

Supply voltage	Voltage of motor
380-400 V	III / 380 / 50
	III / 400 / 50
220-230 V	III / 220-380 / 50
	III / 230-400 / 50

MSE - MSD

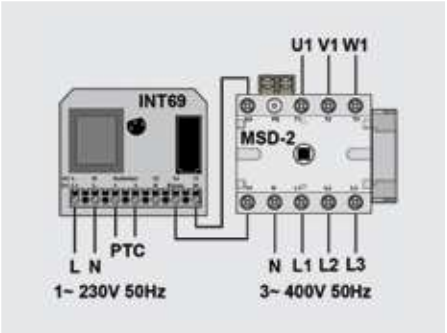
Motor starter for single and three phase motors with integrated termal contacts.
- Surface mounting.
- Cabinet installation.
- Potential free contact.
- IP 54.



Model	Supply	Operating range
MSE	1 - 230 V	0,4 - 10 A
MSD	3 - 400 V	Max. 25 A

MSK

Set comprising a protection relay in combination with a circuit breaker.
- For 400 V three-phase motors with PTC.
- Maximum current: 25 A.
- Mounting on wall.
- IP54.

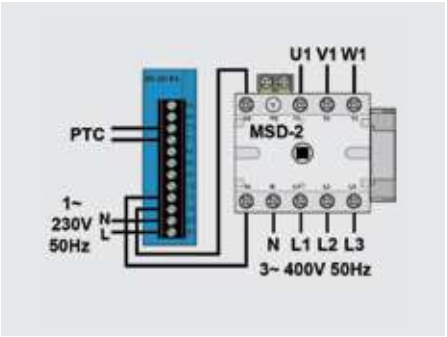


Model	W	H	D
MSD-2	92	122	112
INT69	88	88	54

MSK-EX

Set comprising a protection relay in combination with a circuit breaker.
- For 400 V three-phase motors with PTC.
- Maximum current: 25 A.
- Mounting: (mount to the outside of the Atex zone).

MSD-2: IP54.
MS 220 KA: DIN rail mounting IP20.

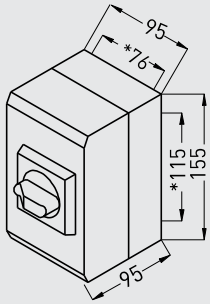


Model	W	H	D
MSD-2	92	122	112
MS 220 KA	23	76	116

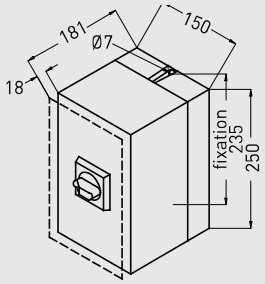
DIJZ

DIJZ 05 □
Maximum current

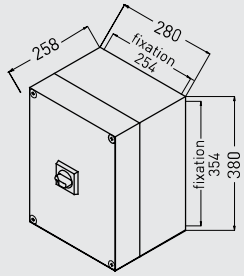
Switch for 1-speed motor single or three phase. Thermal-magnetic circuit breaker and ON/OFF control for single speed motor.
- Unit Protection Indication = 0.25 to 32 A: IP65 and 40 to 63 A: IP 54.
- ON/OFF padlockable rotary switch.
- Auxiliary contact O / C.
- Outdoor installation possible.



DIJZ 05 0,25 to 25



DIJZ 05 32 to 50



DIJZ 05 63

Model	Current Range (A) High speed
DIJZ 05 0,25	0,16 to 0,25
DIJZ 05 0,4	0,25 to 0,4
DIJZ 05 0,63	0,4 to 0,63
DIJZ 05 1,0	0,63 to 1
DIJZ 05 1,6	1 to 1,6
DIJZ 05 2,5	1,6 to 2,5
DIJZ 05 4,0	2,5 to 4
DIJZ 05 6,3	4 to 6,3
DIJZ 05 10,0	6,3 to 10
DIJZ 05 16,0	10 to 16
DIJZ 05 20,0	16 to 20
DIJZ 05 25,0	20 to 25
DIJZ 05 32,0	25 to 32
DIJZ 05 40,0	28 to 40
DIJZ 05 50,0	40 to 50
DIJZ 05 63,0	45 to 63

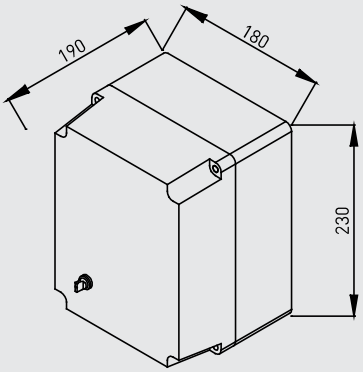
DEMZ

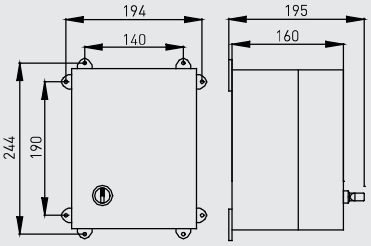
DEMZ □ / □
HS maximum current
LS maximum current

DEMZ BI
Switch for 2-speed motors with independent windings.

DEMZ DA
Switch for 2-speed motors with Dahlander.

- IP 55 Enclosure.
- 0/LS/HS Rotary switch.
- Thermal protection integrated.
- Auxiliary contact for gas solenoid valve.
- Outdoor installation possible.





Model	Current range (A)	
	Low speed	High speed
DEMZ 0,55/1,3 BI	0,41 to 0,55	1 to 1,3
DEMZ 0,74/1,3 BI	0,55 to 0,74	1 to 1,3
DEMZ 1/1,7 BI	0,74 to 1	1,3 to 1,7
DEMZ 1/2,3 BI	0,74 to 1	1,7 to 2,3
DEMZ 1,3/1,7 BI	1 to 1,3	1,3 to 1,7
DEMZ 1,3/2,3 BI	1 to 1,3	1,7 to 2,3
DEMZ 1.3/3,1 BI	1 to 1,3	2,3 to 3,1
DEMZ 1,7/2,3 BI	1,3 to 1,7	1,7 to 2,3
DEMZ 1,7/3,1 BI	1,3 to 1,7	2,3 to 3,1
DEMZ 1,7/4,2 BI	1,3 to 1,7	3,1 to 4,2
DEMZ 2,3/3,1 BI	1,7 to 2,3	2,3 to 3,1
DEMZ 3,1/4,2 BI	2,3 to 3,1	3,1 to 4,2
DEMZ 3,1/5,7 BI	2,3 to 3,1	4,2 to 5,7
DEMZ 3,1/7,6 BI	2,3 to 3,1	5,7 to 7,6
DEMZ 4,2/5,7 BI	3,1 to 4,2	4,2 to 5,7
DEMZ 4,2/7,6 BI	3,1 to 4,2	5,7 to 7,6
DEMZ 4,2/10 BI	3,1 to 4,2	7,6 to 10
DEMZ 5,7/7,6 BI	4,2 to 5,7	5,7 to 7,6
DEMZ 5,7/10 BI	4,2 to 5,7	7,6 to 10
DEMZ 5,7/13 BI	4,2 to 5,7	10 to 13
DEMZ 7,6/13 BI	5,7 to 7,6	10 to 13
DEMZ 7,6/15,5 BI	5,7 to 7,6	13 to 15,5
DEMZ 10/13 BI	7,6 to 10	10 to 13
DEMZ 10/20 BI	7,6 to 10	16 to 20
DEMZ 10/24 BI	7,6 to 10	20 to 24
DEMZ 13/15,5 BI	10 to 13	13 to 15,5
DEMZ 13/29 BI	10 to 13	24 to 29
DEMZ 20/24 BI	16 to 20	20 to 24

Model	Current range (A)	
	Low speed	High speed
DEMZ 0,55/1 DA	0,41 to 0,55	0,74 to 1
DEMZ 0,74/1,7 DA	0,55 to 0,74	1,3 to 1,7
DEMZ 0,74/2,3 DA	0,55 to 0,74	1,7 to 2,3
DEMZ 1/1,3 DA	0,74 to 1	1 to 1,3
DEMZ 1/1,7 DA	0,74 to 1	1,3 to 1,7
DEMZ 1/2,3 DA	0,74 to 1	1,7 to 2,3
DEMZ 1/3,1 DA	0,74 to 1	2,3 to 3,1
DEMZ 1,3/3,1 DA	1 to 1,3	2,3 to 3,1
DEMZ 1,3/4,2 DA	1 to 1,3	3,1 to 4,2
DEMZ 1,7/5,7 DA	1,3 to 1,7	4,2 o 5,7
DEMZ 2,3/5,7 DA	1,7 to 2,3	4,2 to 5,7
DEMZ 2,3/7,6 DA	1,7 to 2,3	5,7 to 7,6
DEMZ 2,3/10 DA	1,7 to 2,3	7,6 to 10
DEMZ 3,1/7,6 DA	2,3 to 3,1	5,7 to 7,6
DEMZ 3,1/10 DA	2,3 to 3,1	7,6 to 10
DEMZ 4,2/10 DA	3,1 to 4,2	7,6 to 10
DEMZ 4,2/13 DA	3,1 to 4,2	10 to 13
DEMZ 5,7/13 DA	4,2 to 5,7	10 to 13
DEMZ 5,7/15,5 DA	4,2 to 5,7	13 to 15,5
DEMZ 5,7/24 DA	4,2 to 5,7	20 to 24
DEMZ 7,6/24 DA	5,7 to 7,6	20 to 24
DEMZ 10/20 DA	7,6 to 10	16 to 20
DEMZ 10/29 DA	7,6 to 10	24 to 29

LxWxH (mm): 80 x 45 x 80

REGUL-2

Fan ON/OFF and speed selector
I/II switch.
Maximum absorbed current: 4.5A.

LxWxH (mm): 84 x 37 x 81

COM-2

Two speed switch.
Fan ON/OFF and speed selector
I/II rotary switch.
Maximum current rating 12A.

LxA (mm): 80 x 75

INTERRUPTOR VMC 2V

Two speed switch.
Normal / Boost switch (No 'OFF') suitable for use with whole house extract units.

LxWxH (mm): 110 x 57 x 80

PRESOSTATO DPS

Differential pressure switch to control the fan running and the filter clogging up.
Protection class: IP54.
Can be used outside.

Model	ΔP
PRESOSTATO DPS 2-30	20 - 300 Pa
PRESOSTATO DPS 10-100	100 - 1000 Pa
PRESOSTATO DPS 100-500	1000 - 5000 Pa

LxWxH (mm): 130 x 43 x 82

CT-12/14 and CT-12/14R

Safety isolating transformer
230V/12V - 50Hz.
Fuse protection.
CT-12/14R: incorporates adjustable timer (1-30 minuts).

Electrical supply		Output voltage (V)	IP protection	Class	Maximum power (V.A.)
Frequency (Hz)	Supply voltage (V)				
50	220-240	12	IP21	Class II	14

LxWxH (mm): 130 x 43 x 82

HIG-2

Humidistat.
Enables the automatic ON/OFF operation of an extract fan by monitoring the relative humidity level.
Adjustable pre-set RH level 40-90%.
Incorporates timer.

IP Protection	Class	Maximum current (A)	Operating temperature	Humidity adjustment
IP21	Class II	*6 (2)**	0-40 ºC	40-90%

* For resistant loads
** For inductive loads

LxWxH (mm): 130 x 43 x 82

SQA

Air quality sensor.
Automatically switches the fan on when the quality of the ambient air deteriorates below an acceptable level due to fumes, odours, tobacco, smoke or dampness, etc.
Adjustable run-on-timer facility which enables the fan to operate for a pre-selected time period after the air quality sensor has switched off.

Important: this sensor must not be used to detect combustible gases or fires and in connection with any safety alarm systems.

IP Protection	Class	Maximum current (A)	Operating temperature	Timing
IP21	Class II	*6 (2)**	0-50 ºC	1-25 min.

* For resistant loads
** For inductive loads

LxWxH (mm): 86 x 80 x 50

THE 16/4 A

Surface-mounted adjustable thermostat.
- 230V-50Hz.
- IP54. Can be installed outdoors.
- Maximum current: 4A (inductive).
- Temperature range: 0ºC to +40ºC.
- Differential: ± 0.75 K.

LxWxH (mm): 85 x 125 x 58

THE-F thermostat with capillary tube anti-frost sensor

Thermostat with capillary tube sensor to prevent the risk for freezing.
- IP30.
- Contact capacity: 16A to 1-230V-50Hz.
- Temperature range: -18ºC to +13ºC.
- Includes mounting support, channel and set of 3m long capillary tubes.

LxWxH (mm): 32 x 10 x 20

TIMER ZN 62

Timer habitat range products.
Starting up: 1 min.
Timing: 6 min.
Resistive load – 2.5 A
Inductive load – 1.6 A

LxWxH (mm): 83 x 40 x 153

PULSER

Single phase electric heater controller. Electronic controller to regulate the heat output of electric heater in order to maintain a constant pre-selected temperature. Depending on the selected temperature, the controller pulses the entire power output and uses a time-proportional control to maintain that temperature.

Electrical supply		IP Protection	Voltage (V)	Minimum		Maximum		Operating temperature	Thermostat adjustment (airtemp)
Frequency (Hz)	Supply voltage (V)			Current (A)	Power (W)	Current (A)	Power (W)		
50-60	220-415	IP30	230 V - I	1	230	16	3680	0-50ºC	0-30ºC
			400 V - III	1	400	16	6400		

LxWxH (mm): 83 x 40 x 153

PULSER-ADD

Single phase electric heater controller. Supplementary unit for slave control from another PULSER to control electric heaters with power ratings high to the PULSER capacity (3600W-230V).

LxWxH (mm): 83 x 40 x 153

PULSER-M

Single phase electric heater controller.
Set point: 0-30°C, the sensor determines the scale range (for use with NTC-sensor).
Output (load): 16 A (min. 1 A).
Protection class: IP30.
Input regulation maximum and minimum.
Maximum absorbed power: 3.6 kW.

LxWxH (mm): 115 x 59 x 88

PULSER-D

Single phase electric heater controller.
Similar controller to the PULSER designed to be fitted in a cabinet on DIN-rail (IP20).
Set point: 0-30°C, the sensor determines the scale range (for use with NTC-sensor).
Output (load): 16 A (min. 1 A).
Maximum absorbed power: 3.6 kW.

LxWxH (mm): 160 x 140 x 280

TTC-2000

Three phase electric heater controller.
Electronic controller to regulate the heat output for three phase electric heater in order to maintain a constant pre-selected temperature. Depending on the selected temperature, the controller pulses the entire power output and uses a time-proportional control to maintain that temperature.
Control signal: 0-10 V (external signal).

Frequency (Hz)	Electrical supply		Voltage (V)	Minimum		Maximum		Operating temperature	Thermostat adjustment (airtemp)
	Supply voltage (V)	IP Protection		Current (A)	Power (W)	Current (A)	Power (W)		
50-60	380-415	IP30	230 V 400 V	3	1,5	25	17	0-50ºC	0-30ºC

LxWxH (mm): 60 x 30 x 35

TTS-1

Additional PCB to increase the output power controlled.
The load connected to TT-S1 should be of equal size to the load connected to the TTC2000.
TTC2000 detects if a TT-S1 is installed and automatically adapts the control function accordingly.

LxWxH (mm): 195 x 95 x 220

TTC-25 and TTC-40F

Three-phase electric heater controller.
Electronic controllers to regulate the heat output for three phase electric heaters and controllers in order to maintain a constant pre-selected temperature. Depending on the selected temperature, the controllers pulse the entire power output and uses a time-proportional control to maintain that temperature. The TTC-25 and 40F are designed to be fitted in a cabinet on DIN-rail.
Supply voltage: three phase 210-415 V.
- Output: TTC25: 25 A, 400 V, 17 kW.
  TTC40: 40 A, 400 V, 27 kW.

Set point: 0-30°C (sensor determines the scale range).
Sensor inputs: Two (2), main- and max, min. limit sensors.
Control signal: 0-10 V.
Protection class: IP20.

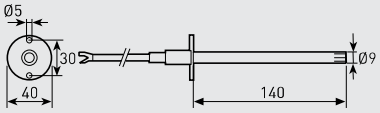
LxWxH (mm): 70 x 30 x 70

TG-R

Used in conjunction with electric heaters and controllers.
NTC type with liner scale.
Range of temperature 0-30ºC.
Protection class IP30.
2 models:
- Room sensor with set point adjustment, 0-30°C (TG-R430).
- Room sensor without set point adjustment, 0-30°C (TG-R530).

TG-K

Duct temperature sensor.
Used in conjunction with electric heater and controller.
NTC type with liner scale.
Protection class IP20.
Models:
- TG-K330: from 0 to 30ºC.
- TG-K360: from 0 to 60ºC.
- TG-K310: from -20 to 10ºC.



LxWxH (mm): 60 x 38 x 60

TBI

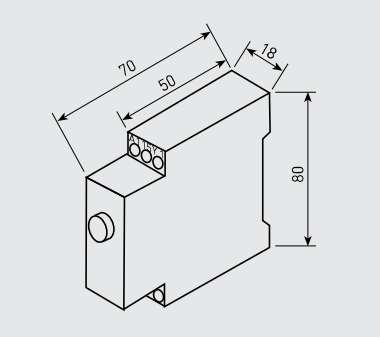
External potentiometer.

TBI-10
Potentiometer mounted on the main board panel for setting temperature between -20 and +10ºC.
Used with the controller and a TG-K310 duct sensor to set the minimum air temperature beforeentering in the heat exchanger.

TBI-30
Potentiometer mounted on the main board panel for setting temperature between 0 and +30ºC.
Used with the controller and with a TG-K330 duct sensor to set the air temperature after the electric heater in post heating operation.

MCR-1

Timer with set point between 1 second and 100 hours.
Used in an electric heating system to delay the fan switch off after disconnecting the system.

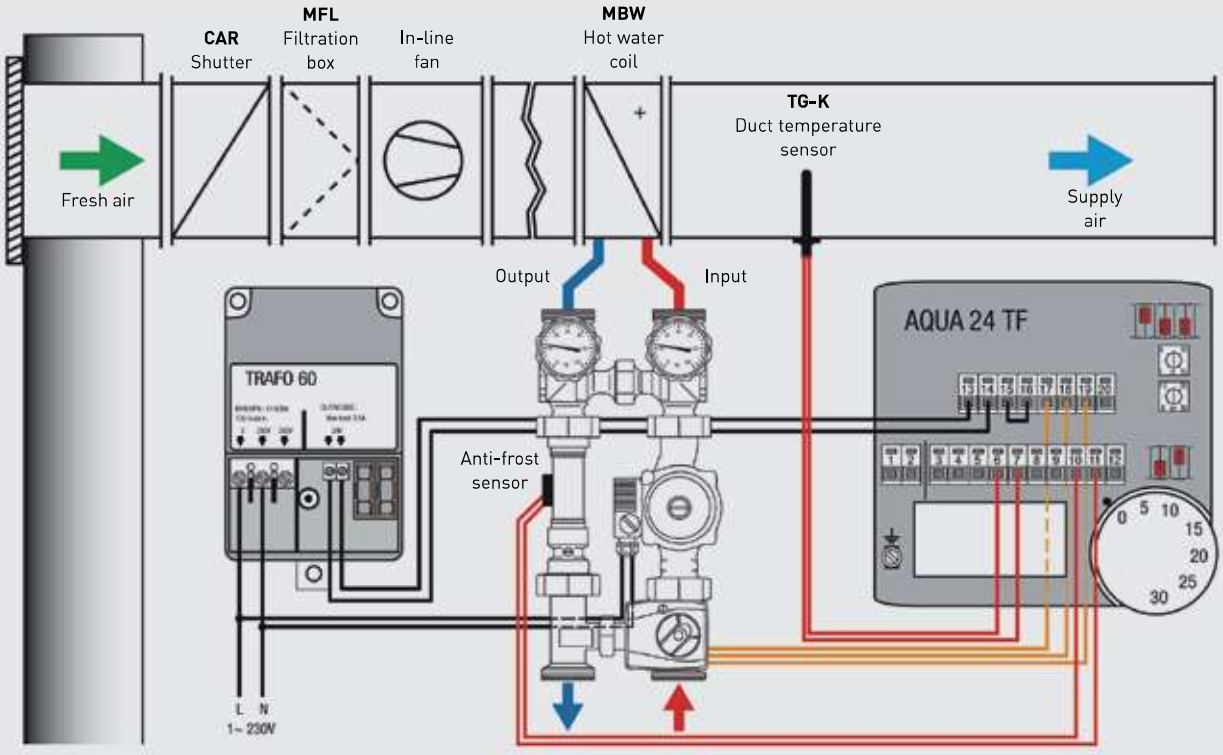


PWW mounting kits

Complete MBW water coil mounting kits.
Water flow and temperature control.
Thermal insulation.
3 operating levels.
Motor supplied: 24 VAC.
Water temperature thermometer.
Manual water shutters.
Flexible ducts for connecting the water coil.
Watertight seal to prevent leaks.
AQUA 24TF temperature controller with 24VAC.
230V/24VAC safety transformer.
Anti-frost sensor and duct.
Anti-frost alarm contact: 24V and 230V 2A potential free contact.
When the pump is not directly connected to the hot water system, the THE 16/4 A ambient thermostat must be used to start the heating cycle.

Model	Units	PWW-SE1	PWW-SE3
Maximum pressure drop	(bar)	3	3
Maximum temperature	(°C)	115	115
Battery side connection	(inches)	3/4"	1"
Boiler side connection	(inches)	1 1/2"	2"
Minimum waterflow	(l/h)	300	1200
Maximum waterflow	(l/h)	1300	2800
Dimensions (LxWxH)	(mm)	450x250x200	450x250x200

Installation diagram

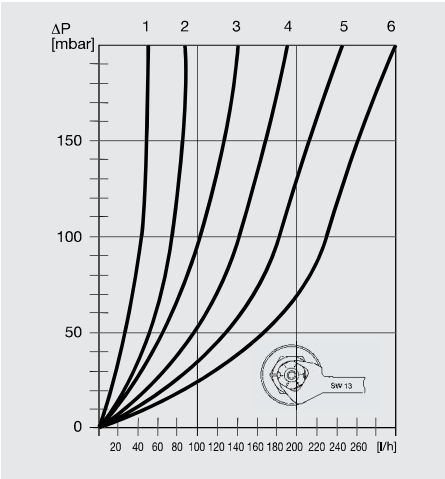


Thermostat
With 5 temperature control positions (12ºC, 16ºC, 20ºC, 24ºC, 28ºC) and anti-frost protection which opens the valve automatically whenever the indoor temperature falls below 6ºC.

The temperature control unit for MBW 100-200

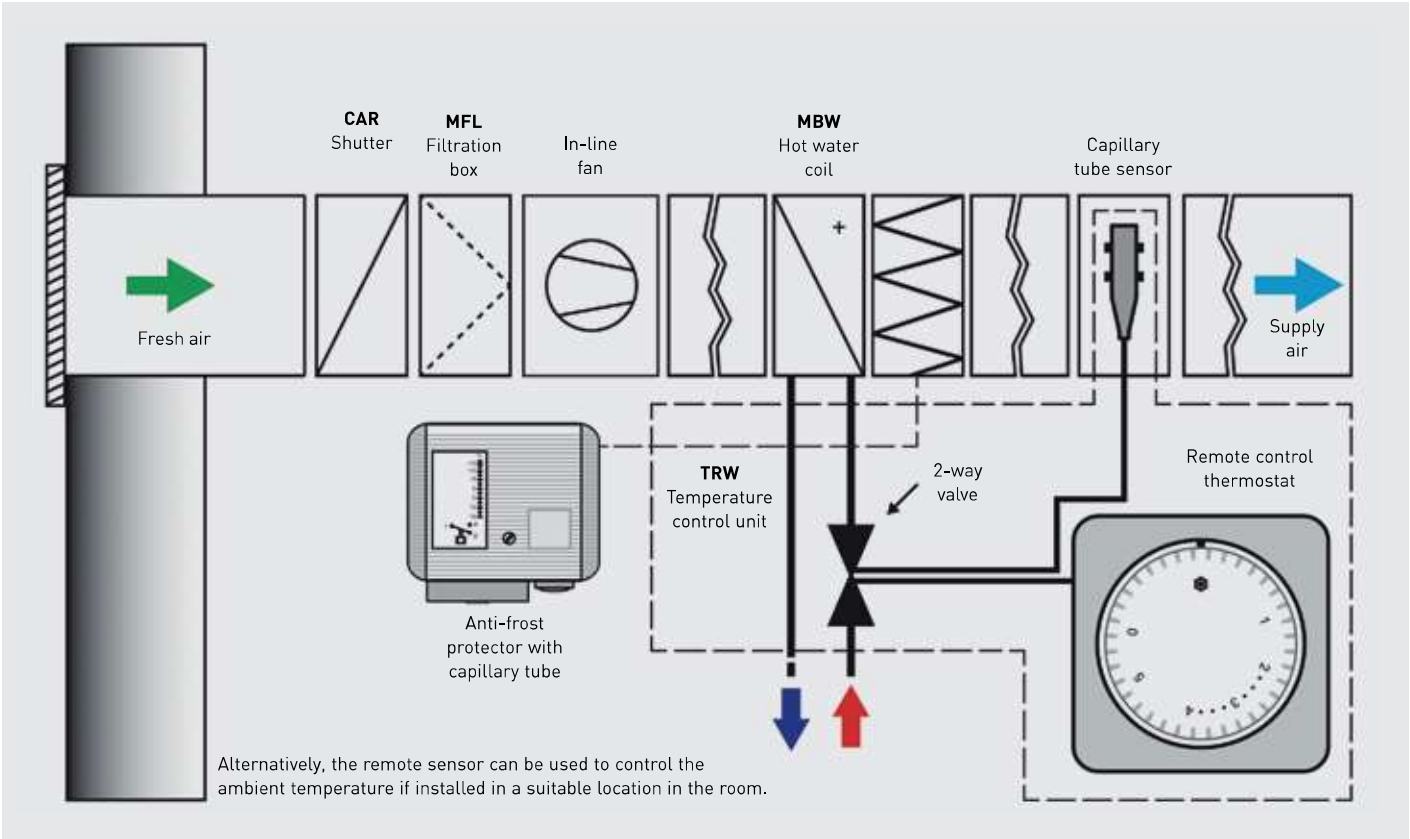
The temperature control unit for MBW 100-200 hot water coil comprises a thermostat with a capillary tube sensor and a 2-way valve.

- 3/4" thermostatic valve
- Material: brass
- Surface: nickel plated
- Kv value: 0.65
- Kvs value: 0.90
- Size: DN 20
- Finish: Straight valve
- Max. diff. pressure: 1 bar
- Max. operating pressure: PN 10
- Max. temperature: 120 °C
- Thermostat unit 7-28 C 0 * 1-5, remote sensor and control, 5m
- Connection: M30 x 1.5



TRW control unit valve setting
The default factory setting for the valve is position 6.

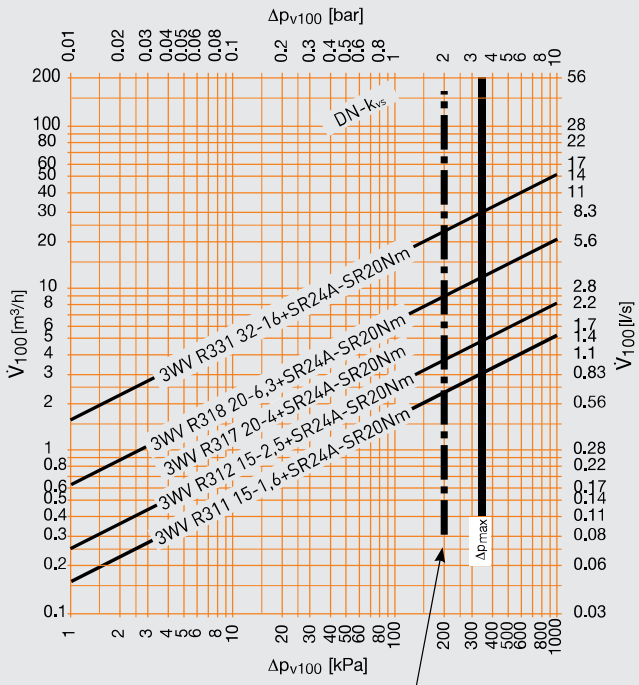
Installation diagram



3WV

Powered 3-way ball valve.
Stainless steel ball and axle.
Servo motor:
Voltage: 24 V.
Par: 20 Nm.
Motor running time: 90 s.
Control signal: 0-10 V.

Valve dimensioning diagram



For silent running operation
Δp_{V100}: Differential pressure with valve fully opened
V_{100}: Nominal flow at Δp_{V100}

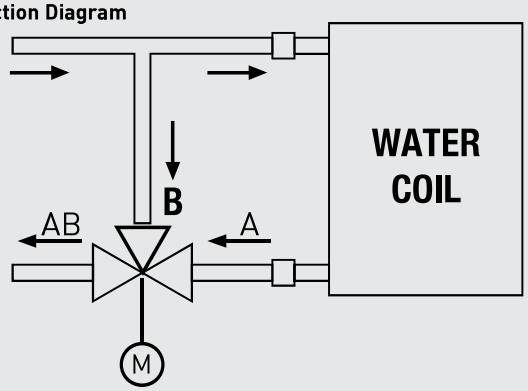
CADB/T-DC *	3-way ball valve model	Transformer
05	3WV R312 15-2,5+SR24A-SR20Nm	TRAFO 15-D 230/24V AC
08	3WV R311 15-1,6+SR24A-SR20Nm	
18	3WV R311 15-1,6+SR24A-SR20Nm	
30	3WV R312 15-2,5+SR24A-SR20Nm	
45	3WV R318 20-6,3+SR24A-SR20Nm	
56	3WV R318 20-6,3+SR24A-SR20Nm	

* 3WV valves can only be used with the old models CADB/T ADVANZ microprocessor.

CADT-TC *	3-way ball valve model	Transformer
45	3WV R317 20-4+SR24A-SR20Nm	TRAFO 15-D 230/24V AC
80	3WV R318 20-6,3+SR24A-SR20Nm	
120	3WV R331 32-16+SR24A-SR20Nm	

* 3WV valves can only be used with the old models CADB/T ADVANZ microprocessor.

Connection Diagram

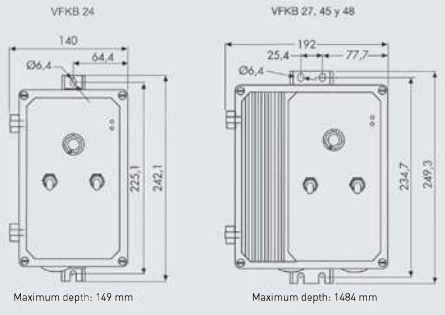


TRAFO 15-D

Transformer 230/24V AC.

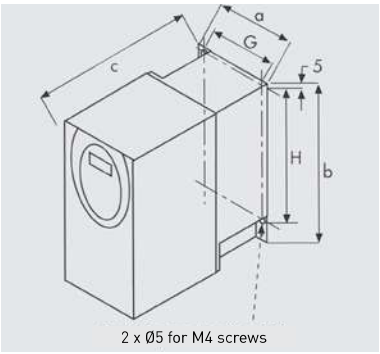
VFKB IP65

For three phase motors from 0.37 to 4 kW.
Die cast aluminium IP65 case.
Simple to operate (does not require programming).
Voltage supplies: single phase 230V-50/60Hz (VFKB 24 and 27) three phase 400V-50/60Hz (VFKB 45 and 48).
Motor kW selection jumper.
Power on and drive status leds.
Speed selection with potentiometer.
ON/OFF switch.
Run/Fault relay output contacts.
Motor overload and shortcut protections.
RFI/EMI level A filter.

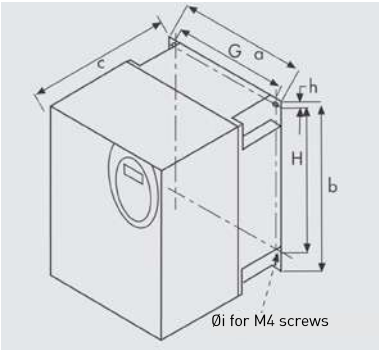


The selection of the adjustable frequency drive has to be made with the maximum current absorbed of the fan or extractor.

Model	Power motor (kW)	Maximum current (A)	Weight (kg)
Single phase supply 230V-50/60Hz, three phase output 230V			
VFKB 24	0,37	2,2	2,7
	0,55	3,6	
VFKB 27	0,75	4,7	4,7
	1,1	6,1	
	1,5	6,7	
Three phase supply 400V-50/60Hz, three phase output 400V			
VFKB 45	0,37	1,8	4,7
	0,55	2,1	
	0,75	2,8	
	1,1	3,4	
	1,5	4,6	
VFKB 48	2,2	5,6	4,7
	3	7,8	
	4	8,3	



Dims.	a	b	c	G	H
T1	72	145	132	60	121,5
T2	72	145	142	60	121,5



Dims.	a	b	c	G	h	H	Ø i	nº M4
T3	107	143	152	93	5	121,5	5	2
T4	142	184	152	126	6,5	157	5	4
T5	180	232	172	160	5	210	5	4
T6	245	330	192	225	7	295	6	4

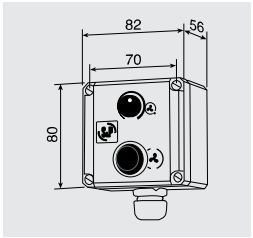
VFTM IP21

For three phase motors from 0.37 to 15 kW.
Din rail mounting (IP21).
Voltage supplies: single phase 230V 50/60Hz (VFTM MONO), three phase 400V 50/60Hz (VFTM TRI).
External display of parameters (current, power, torque, speed, frequency...).
Available optional accessory: a remote control ON/OFF + potentiometer.
Integrated EMC level A filter.
Regulator and preset PI.
Run/Fault relay output contacts.
Motor overload and shortcut protections.

The selection of the adjustable frequency drive has to be made with the maximum current absorbed of the fan or extractor.

Model	Power motor (kW)	Maximum current (A)	Power dissipated (W)	Size reference	Weight (kg)
Single phase supply 230V-50/60Hz, three phase output 230V					
VFTM MONO 0,18	0,18	1,5	24	T1	1,5
VFTM MONO 0,37	0,37	3,3	41	T1	1,5
VFTM MONO 0,55	0,55	3,7	46	T2	1,5
VFTM MONO 0,75	0,75	4,8	60	T2	1,5
VFTM MONO 1,1	1,1	6,9	74	T3	1,8
VFTM MONO 1,5	1,5	8	90	T3	1,8
VFTM MONO 2,2	2,2	11	123	T4	3,1
Three phase supply 400V-50/60Hz, three phase output 400V					
VFTM TRI 0,37	0,37	1,5	32	T3	1,8
VFTM TRI 0,55	0,55	1,9	37	T3	1,8
VFTM TRI 0,75	0,75	2,3	41	T3	1,8
VFTM TRI 1,1	1,1	3	48	T3	1,8
VFTM TRI 1,5	1,5	4,1	61	T3	1,8
VFTM TRI 2,2	2,2	5,5	79	T4	3,1
VFTM TRI 3	3	7,1	125	T4	3,1
VFTM TRI 4	4	9,5	150	T4	3,1
VFTM TRI 5,5	5,5	14,3	232	T5	6,5
VFTM TRI 7,5	7,5	17	269	T5	6,5
VFTM TRI 11	11	27,7	397	T6	11
VFTM TRI 15	15	33	492	T6	11

REB-CVF

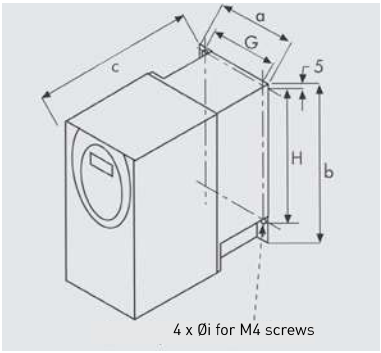


Remote control
ON/OFF + potentiometer

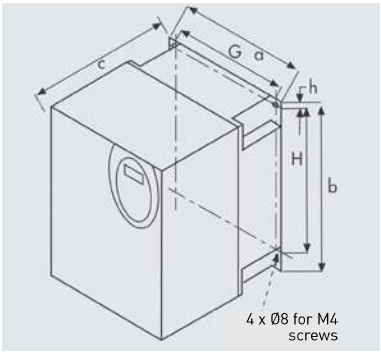
VFTM IP54

Adjustable frequency drives.
For three phase motors from 0.37 to 15 kW.
Din rail mounting (IP54).
Voltage supplies: single phase 230V 50/60Hz (VFTM MONO), three phase 400V 50/60Hz (VFTM TRI).
External display of parameters (current, power, torque, speed, frequency...).
Available optional accessory: a remote control ON/OFF + potentiometer.
Integrated EMC level A filter.
Regulator and preset PI.
Run/Fault relay output contacts.
Motor overload and shortcut protections.

The selection of the adjustable frequency drive has to be made with the maximum current absorbed of the fan or extractor.



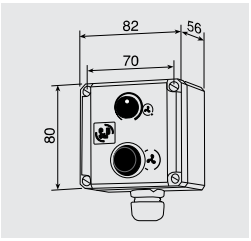
Dims.	a	b	c	G	H	Øi
T1	210	240	163	192	218	5,5
T2	215	297	192	197	277	5,5
T3	230	340	222	212	318	5



Dims.	a	b	c	G	h	H
T4	320	512	276,5	6,5	279	480
T5	440	625	276,5	5	399	594

Model	Power motor (kW)	Maximum current (A)	Power dissipated (W)	Size reference	Weight (kg)
Single phase supply 230V-50/60Hz, three phase output 230V					
VFTM MONO 0,18	0,18	1,5	24	T1	1,5
VFTM MONO 0,37	0,37	3,3	41	T1	1,5
VFTM MONO 0,55	0,55	3,7	46	T1	1,5
VFTM MONO 0,75	0,75	4,8	60	T1	1,5
VFTM MONO 1,1	1,1	6,9	74	T2	1,8
VFTM MONO 1,5	1,5	8	90	T2	1,8
VFTM MONO 2,2	2,2	11	123	T3	3,1
Three phase supply 400V-50/60Hz, three phase output 400V					
VFTM TRI 0,37	0,37	1,5	32	T2	1,8
VFTM TRI 0,55	0,55	1,9	37	T2	1,8
VFTM TRI 0,75	0,75	2,3	41	T2	1,8
VFTM TRI 1,1	1,1	3	48	T2	1,8
VFTM TRI 1,5	1,5	4,1	61	T2	1,8
VFTM TRI 2,2	2,2	5,5	79	T3	3,1
VFTM TRI 3	3	7,1	125	T3	3,1
VFTM TRI 4	4	9,5	150	T3	3,1
VFTM TRI 5,5	5,5	14,3	232	T4	6,5
VFTM TRI 7,5	7,5	17	269	T4	6,5
VFTM TRI 11	11	27,7	397	T5	11
VFTM TRI 15	15	33	492	T5	11

REB-CVF



Remote control
ON/OFF + potentiometer

CONTROL ECOWATT

Control element for demand controlled ventilation systems in public, commercial residential building it automatically modifies the fan speed to adapt it to the needs defined in the system, measured with sensors.
It has three basic modes of operation:
1. Integral proportional control at constant pressure.
2. Proportional control with maximum demand criteria with multiple sensor input: temperature, CO_2 and relative humidity.
3. Minimum-maximum control with three-sensor input: CO_2, temperature, relative humidity or presence detectors (PIR).
DC signal output of 1 to 10 V or signal output for AC voltage variation for single phase motors at 230 V.

ECOWATT AC CONTROL: for single phase ventilation units.
ECOWATT DC CONTROL: for DC ventilation units.

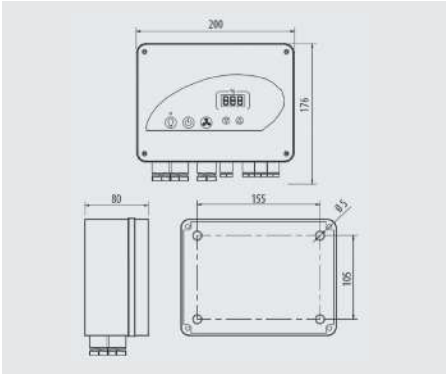
Power supply:
- AC model: 1~230 V.
- DC model: 1~230 V or 24 VDC.

Model	Electrical supply	Maximum current (A)	Voltage	IP Protection	Operating temperature range	Dimensions LxWxH (mm)
CONTROL ECOWATT AC/DC	90-260 VAC	4	0-10V	IP55	-10ºC to +50ºC	165x220x100
CONTROL ECOWATT AC/4A	230 VAC		80-230V			

VAPZ

Electronic single-phase regulator that controls the fan speed with a simple contact (presence detector) or an analogical input, 0-10 V or 4-20 mA (CO_2 probe for relative humidity % RH).
Power supply: 1~230 V.

Model	Electrical supply	Maximum current (A)	Voltage	IP Protection	Operating temperature range	Dimensions LxWxH (mm)
VAPZ-3	230V-50Hz	3	80 to 230V	IP54	-10ºC to +50ºC	205x115x92
VAPZ-5		5				
VAPZ-11		11				



VRPZ

Electronic control with display for single phase 230V-50/60Hz fans.
Analogical input 0-10V or 4-20mA: The fan works proportionally to the input value with adjustments of the minimum and maximum values of the inputs and outputs.
"ON/OFF": when the potential free contact (f.e. clock) close, the fan putting into operation according to the voltage of the analogical input. This connection associated to a PIR detector allows to have a ventilation system type minimum-maximum.
Input « maximum speed »: given an external signal, the fan works at a maximum adjusted speed.
Outputs: Magneto-termic dry contact.
Illumination 230V 50Hz (max. 8A).
Electrical supply master/slave 24Vdc (max. 100mA).

Model	Electrical supply	Maximum current (A)	Voltage	IP Protection	Operating temperature range	Dimensions LxWxH (mm)
VRPZ-5	230V-50/60Hz	5	110V-230V	IP55	-10ºC to +50ºC	200x176x80
VRPZ-11		11				

PACK PR

Single phase motors.
Allows speed control of single phase fan by voltage variation.
Especially suited for constant pressure systems.
Includes a power cable and pressure tube.
Integrated pressure transducer (12VDC).
Supplied with cable glands.
Function integrated boost fan, adjustable from 10-60 min.
Display with three digits.
Entries for remote control "ON/OFF" + "select maximum speed".
Configurable input for analog sensor current / voltage / NTC thermistor sensor / Pt1000.

Models	Max. nominal current (A)	Pressure range (Pa)	Dimensions LxWxH (mm)
PACK PR 5A	5	0-300	176x200x80
PACK PR 11A	11	0-800	176x200x80

PACK PR	
Power supply	Single phase 230V 50/60Hz
Voltage range	110 - 230V
ON / OFF input	Volt free contacts
Maximum speed input	
Remote setpoint input (control mode)	Signal 4-20mA or voltage 0-10Vdc
Measurement input (servo control or control mode)	Signal 4-20mA or voltage 0-10Vdc, or NTC thermistor sensor, or Pt1000 sensor
Outputs	Sensor supply: 24Vdc SELV (100mA max) Master-slave: 0-10Vdc (10mA max)
Electrical insulation	Class 1
IP Protection	IP55
Connections available	1 to 2.5 mm² Glands provided: 5xPg7 + 3xPg11
Conditions of use	-10 to +50 ° C, max 95% RH

BEAS

Control module that can adapt the all/nothing proportional input signal of a detector or a probe to control a motorised flap, or a two-speed single phase or DC_fan, in minimum/maximum option. Power supply: 24 VAC / 24 VDC.

Model	Electrical supply	Power (W)	IP Protection	Operating temperature range	Dimensions LxWxH (mm)
BEAS	24VAC	1,5	IP55	-10ºC to +50ºC max 95% HR	175x130x80

REB-ECOWATT

Remote speed control.
Enables the speed control of the fan continuously, manually and remote.
Power supply: 1-230 V.

Model	IP Protection	Class	Operating temperature range	Dimensions LxWxH (mm)
REB-ECOWATT	IP44	II (⧈)	-10ºC to +50ºC	80x68x80

SHT-G / SCO2-G / SCO2-G 0/10V

Sensors for the duct that, combining with a control, allow optimizing the energy of the ventilation system .

Modelo	Lecture			Analog output
	CO_2	Temperature	HR	
SCO2-G	•			•
SCO2-G 0/10V	•			•
SHT-G		•	•	•

Model	Electrical Supply	Power (W)	Voltage	IP Protection	CO_2 Range	HR Range	Dimensions LxWxH (mm)
SCO2-G	24VDC-24VAC	5	4-20mA	Caja IP65. Sonda IP20	0-2000 pm	-	80x200x101
SCO2-G 0/10V			0-10V			-	
SHT-G						0~100%	

Model SCO2-A

SCO2 / SHT / SCHT

Ambient sensors that, combining with a control, allow optimizing the energy of the ventilation system

Model	Lecture			Analog output	Adjustable relay output	Display
	CO_2	Temperature	HR			
SCO2-AR	•				•	
SCO2-A	•	•		•		
SCO2-AD	•	•		•		•
SCO2-A 0/10V	•	•		•		
SHT-A		•	•	•		
SHT-A 0/10V		•	•	•		
SCHT-AD	•	•	•	•		•

Models SCO2-AD and SCHT-AD

Model	Electrical supply	Power (W)	Voltage	Heihgt installation	IP protection	CO_2 Range	Temperature range	HR Range	Dimensions LxWxH (mm)
SCO2-AR	24VDC-24VAC	5	Relé (0,5A)	1,5-3,5 m	IP20	0-2000 pm	-	-	85x26x100
SCO2-A			4-20mA				0-50ºC	-	
SCO2-AD								-	
SCO2-A 0/10V								-	
SHT-A						-		0-100%	
SHT-A 0/10V			0-10V						
SCHT-AD						0-2000 pm			

TDP-S / TDP-D

TDP-S
Pressure sensor.
Enables you to control the pressure in the fan inlet.

TDP-D
Pressure sensor, with display.
Enables you to control the pressure in the fan inlet.

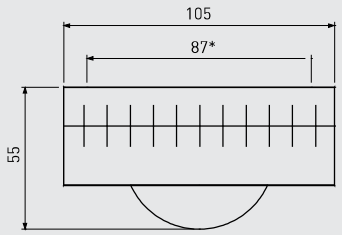
Model	Electrical supply	Maximum power (VA)	Ø Connector (mm)	Voltage	IP Protection	Pressure range	Dimensions LxWxH (mm)
TDP-S	24VAC-24VDC	4	6,2	0-10 V / 4-20 mA	IP54	0-2500 Pa	75x36x80
TDP-D							

CPFL-S / CPFL-E

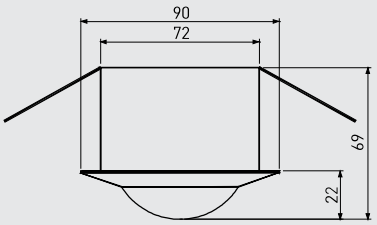
CPFL
Presence detector for ceiling mount, sensitive to infrared radiation emitted by bodies in movement, with a 360º detecting angle.
Power supply: 1-230 V.

CPFL-S: Surface model.
CPFL-E: Flush mount model.

Surface mount



Flush mount



Model	Electrical supply	Power (W)	Settings	Height installation	IP Protection	Operating temperature range
CPFL	230V-50Hz	1,2	Timing 5s-15 min Luminosity 5-1000 lux	2,5-3,5 m	IP21	0ºC to +45ºC max 95% HR without condensation

Use of the presence detector	
Installed height (m)	Diameter of the detection zone at the floor (m)
2,5	6,4
3	7,7
3,5	9

* Distance between mounting holes.

REMP

Motorised dampers open proportionately and is controlled by the EAS control module.
Power supply: 24 VAC or 24 VD, depending on the models.

Model	Diameter (mm)	Length (mm)	Axle diameter (mm)	Motor height (mm)
REMP-160	160	200	8	80
REMP-200	200	200	8	80
REMP-250	250	200	8	80
REMP-315	315	300	12	80
REMP-355	355	300	12	80
REMP-400	400	400	12	80
REMP-450	450	400	12	80

Model	Electrical supply	Power (W)	Entry	Time of answer	IP Protection	Operating temperature range
REMP	24V-50/60Hz 24VDC	1 (ON) 0,4 (OFF)	0-10V proportional	max. 150s on having opened or to closed	IP54	-10ºC to +50ºC maximum 95% HR without condensation

RMVT

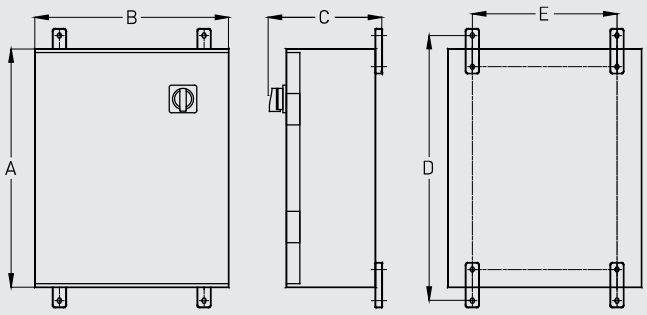
Motorised dampers for the twin-flow system. Minimum / maximum opening. Controlled by a presence detector acting on the motor of the damper.
Power supply: 1-230 V.

Model	Ø (mm)	Air volume
RMVT-125 12/100	125	12/100
RMVT-125 12/120	125	12/120
RMVT-125 30/90	125	30/90
RMVT-125 60/120	125	60/120
RMVT-125 60/135	125	60/135
RMVT-125 90/150	125	90/150
RMVT-160 15/150	160	15/150

Model	Ø (mm)	Air volume
RMVT-160 24/240	160	24/240
RMVT-160 30/300	160	30/300
RMVT-200 40/210	200	40/210
RMVT-200 40/350	200	40/350
RMVT-200 40/400	200	40/400
RMVT-200 50/500	200	50/500

Model	Electrical supply	Power (W)	Entry	Time of answer	IP Protection	Class	Operating temperature range
RMVT	230V-50Hz	6,6	Contact type outside presence detector	40s opening 80s closed	IP20	Class II	0ºC to +60ºC maximum 95% HR without condensation

PILOT PARK



Unit	A	B	C	D	E
Size 1	254	180	200	239	165
Size 2	570	380	175	600	355
Size 3	600	300	235	550	216
Size 4	600	500	250	740	410
Size 5	700	500	250	840	410

Applications

Control of exhaust, supply and impulse fans for high and low pollution ventilation (comfort mode) and emergency smoke extract modes.
Fully compatible with pollution and fire detection systems. Ability to operate with internal clock (optional).
Operates at high and low speed (HS/LS) in pollution ventilation mode and at high speed in emergency smoke exhaust mode.
Three-phase 400V 2-speed motor control (Dahlander or independent windings) - motor (s) or just 1 speed, please consult us.
5 sizes of cabinets.
8 Sizes: 9/18/26/32/50/65/75 and 95A per motor.
Control unit for 1 motor with 2 speeds from 9 to 95A. Control unit for 2 motors with 2 speeds from 9 to 26A.
2 versions:
- "Master" unit for managing Comfort / Smoke exhaust fan, with or without clock.
- "Slave" unit to be controlled by a "Master" unit (control supply fans and jet fans). Power supply three-phase 400V-50/60Hz + Earth.

Description

IP55 sealed enclosure, RAL 7035 colour. Supplied with cable glands. Cut-off switch included in the facade (can be padlocked in 3 points) Integrated magnetic protection:
- Version for 1 motor 32 to 95A.
- Version for 2 motors 9 to 26A.

Integrated thermal protection (connected only in the comfort mode). Taking into account operational priorities: LS/HS comfort, smoke extraction, fire services switch.
Pollution ventilation input to connect either specific two-speed controller or pollution detection system.
Fire emergency input to connect specific fire emergency detection system.
Master version:
- Control devices indicator and operation display on the front.
- 24V low voltage for the power supply for external box units.

LIST OF PILOT PARK MODELS

Models with Dahlander conexion motor

Intensity (A)	Master with clock for 1 Dahlander conexion motor		Master without clock for 1 Dahlander conexion motor		Slave without clock for 1 Dahlander conexion motor	
	Model	Box type-size	Model	Box type-size	Model	Box type-size
9	PILOT PARK MH1DA 9A	2	PILOT PARK M1DA 9A	2	PILOT PARK E1DA 9A	1
18	PILOT PARK MH1DA 18A	2	PILOT PARK M1DA 18A	2	PILOT PARK E1DA 18A	1
26	PILOT PARK MH1DA 26A	2	PILOT PARK M1DA 26A	2	PILOT PARK E1DA 26A	1
32	PILOT PARK MH1DA 32A	3	PILOT PARK M1DA 32A	3	PILOT PARK E1DA 32A	3
50	PILOT PARK MH1DA 50A	3	PILOT PARK M1DA 50A	3	PILOT PARK E1DA 50A	3
65	PILOT PARK MH1DA 65A	3	PILOT PARK M1DA 65A	3	PILOT PARK E1DA 65A	3
75	PILOT PARK MH1DA 75A	3	PILOT PARK M1DA 75A	3	PILOT PARK E1DA 75A	3
95	PILOT PARK MH1DA 95A	5	PILOT PARK M1DA 95A	5	PILOT PARK E1DA 95A	4

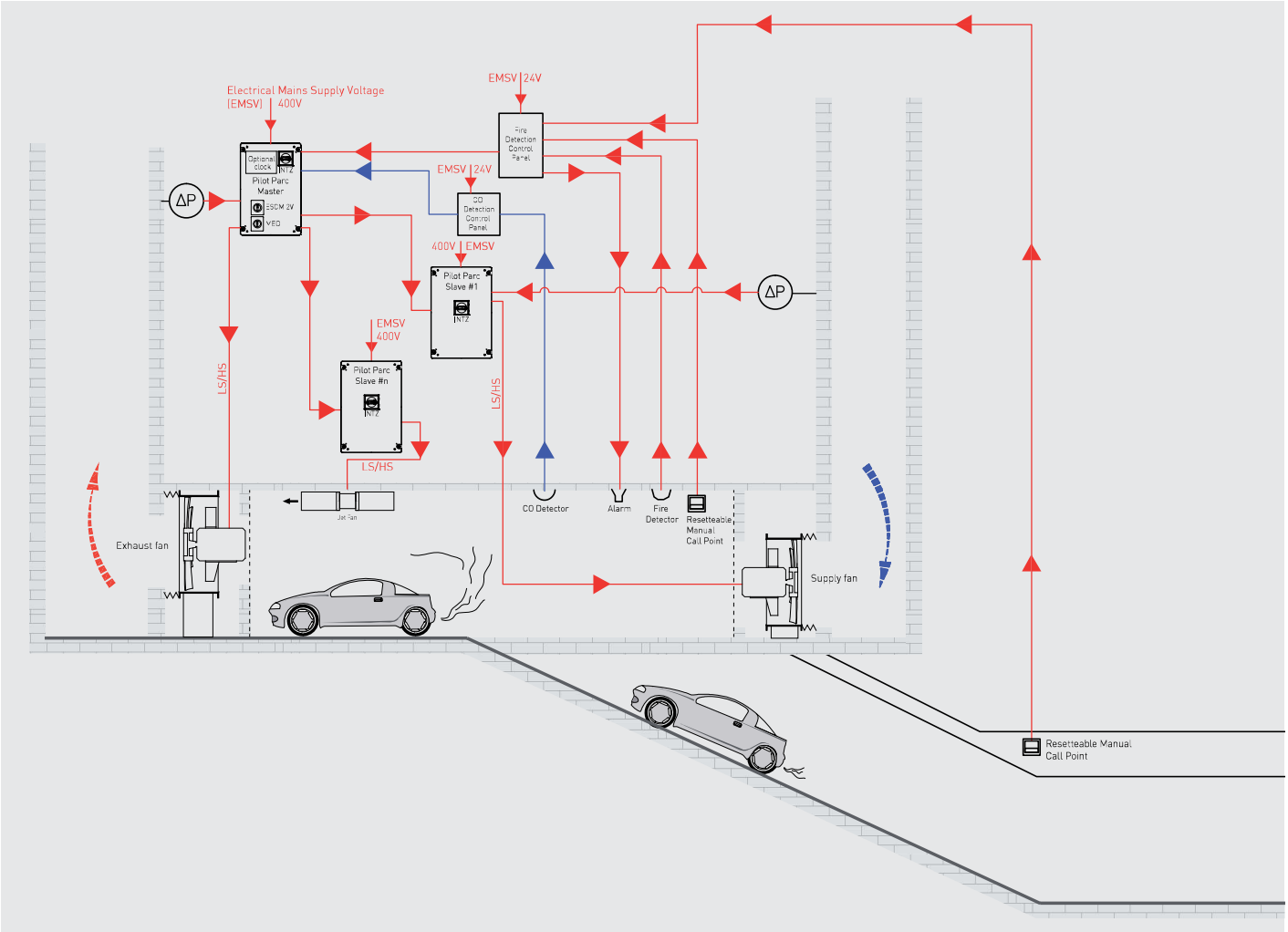
Intensity (A)	Master with clock for 2 Dahlander conexion motors		Master without clock for 2 Dahlander conexion motors	
	Model	Box type-size	Model	Box type-size
9	PILOT PARK MH2DA 9A	2	PILOT PARK M2DA 9A	2
18	PILOT PARK MH2DA 18A	2	PILOT PARK M2DA 18A	2
26	PILOT PARK MH2DA 26A	2	PILOT PARK M2DA 26A	2

Models with independent windings motor

Intensity (A)	Master with clock for 1 motor of independent windings		Master without clock for 1 motor of independent windings		Slave without clock for 1 motor of independent windings	
	Model	Box type-size	Model	Box type-size	Model	Box type-size
9	PILOT PARK MH1BI 9A	2	PILOT PARK M1BI 9A	2	PILOT PARK E1BI 9A	1
18	PILOT PARK MH1BI 18A	2	PILOT PARK M1BI 18A	2	PILOT PARK E1BI 18A	1
26	PILOT PARK MH1BI 26A	2	PILOT PARK M1BI 26A	2	PILOT PARK E1BI 26A	1
32	PILOT PARK MH1BI 32A	3	PILOT PARK M1BI 32A	3	PILOT PARK E1BI 32A	3
50	PILOT PARK MH1BI 50A	3	PILOT PARK M1BI 50A	3	PILOT PARK E1BI 50A	3
65	PILOT PARK MH1BI 65A	3	PILOT PARK M1BI 65A	3	PILOT PARK E1BI 65A	3
75	PILOT PARK MH1BI 75A	3	PILOT PARK M1BI 75A	3	PILOT PARK E1BI 75A	3
95	PILOT PARK MH1BI 95A	5	PILOT PARK M1BI 95A	5	PILOT PARK E1BI 95A	4

Intensity (A)	Master with clock for 2 motors of independent windings		Master without clock for 2 motors of independent windings	
	Model	Box type-size	Model	Box type-size
9	PILOT PARK MH2BI 9A	2	PILOT PARK M2BI 9A	2
18	PILOT PARK MH2BI 18A	2	PILOT PARK M2BI 18A	2
26	PILOT PARK MH2BI 26A	2	PILOT PARK M2BI 26A	2

CONTROLS SCHEME MODEL



Impulse ventilation in enclosed car parks requires control systems to operate exhaust, supply and impulse fans depending on different scenarios.
This control system should detect pollution, fire smoke and activate the ventilation system accordingly. Different regulations may apply in different countries and activation may be manual by fire-fighters, automatic by detection or a combination of both.

Applications
Control system shall be outside emergency exhaust smoke area, in an accessible safe area.
Exhaust fan F400-120, F300-120 or F200-120.
Supply fan at standard temperature.

Cable types
POWER from EMSLV: fire resistant CR1-C1.
Connection unit to fan: fire resistant CR1-C1.
Safety control and fire-fighter's switch fire resistant CR1-C1.
Comfort control and reset: conventional cable.

CO CENTRAL 203 PLUS

System for detection & measurement of carbon monoxide (CO) using semiconductor for underground car parks.
Extendable modular panel from 1 to 4 module lines (14 detectors/module line).
8 programmable ventilation and alarm levels.
Maximum and average readings.
Faults descriminator.
Auto-decontamination of detectors.
Auto-bidirectional test to verity line and grid filter.
Second speed ventilation (optional module).

CO DETECTOR 203 PLUS C/BASE

Specific CO detector, using semiconductor technology, specifically developed for Conventional CO Detection Panel.
In accordance to UNE 23300/84.

Conventional Fire Emergency Detection Panel

Designed and made according to EN54 and EN12094-1 standards (with extinguishment module), it is a microprocessor based control panel for car parks.
It has 8 zones main board, for a total of 24 zones and 512 devices (maximum 32 in each zone). Each detection zone is equipped with an alarm repeat output for selective alarm management in the event of fire.
The control panel has supervised and silenceable alarm outputs for the control of the selfpowered sirens, piezoelectric sirens, fire bells, flashers, telephone diallers, etc.
This easy-to-use control panel is protected by a lockable frontplate which allows operational access to authorized personnel only.
A version is also available with a backlit display, which shows all the information regarding the control panel status. The optional Console Software in Windows™ environment, allows full systems management of events memory, files, reset and all the programmable functions provided by the control panel.

Conventional Photoelectric Optical Detector

Resettable Manual Call Point

Main features
- EN54 and EN12094-1 approved (with extinguishment module).
- 8 controlled, balanced, bypassable input zones expandable to 24 by means of two 8 zone expanders.
- Up to 32 devices can be connected to each zone (but no more than 512 in total): conventional fire detectors, alarm buttons, gas detectors.
- Gas zone compatible with 4 – 20 mA gas detectors.
- Manual call point recognition.
- Programmable thresholds.
- Missing detectors.
- Day/Night mode.
- Alarm verification time.
- Programmable restoral and reset times.
- One alarm-repeat output (open collector) for each input zone.
- 2 supervised, silenceable, bypassable 24 V alarm output for the activation of piezoelectric sirens, fire bells and flashers.
- Silenceable, bypassable alarm output, for the activation of 24 V self-powered sirens.
- Silenceable fault-warning output for the activation of signalling and auxiliary devices.
- Supervised fire output for telephone dialler activation.
- Programmable open-collector output.
- Alarm/fault memory up to next reset.
- Command for silencing signalling devices (sirens).
- Command security using key and code.
- Programmable from PC or keypad.
- 50 events log viewed via PC. Optional backlit display.
- RS485 bus for connecting up to 4 repeater panels.

Acoustic-Luminous Alarm

Technical features
- Power supply: 230 Vac ±10%.
- 27.6 Vdc 2.5 A switching supply/battery-charger.
- Compartment for two 12 Vdc 17 Ah batteries.
- Dimensions (wxhxd): 422x502x116 mm.
- Weight (without batteries): max. 8.5 Kg.

Exterior Acoustic-Luminous Flash Alarm

ON REQUEST

ZT100HL2
High Temperature Rise.

601P
Conventional Optical Smoke Detector.

601PH
Multicriteria Smoke Detector.