



NEW !
AIR CONDITIONNERS 48 V DC

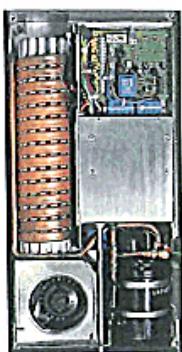
**VENTILATION
AIR CONDITIONNING
AND CONTROLS
IN GSM AND TELECOM BUILDINGS**

THE LARGEST CHOICE OF SPECIALLY DESIGNED PRODUCTS
FOR ENERGY SAVINGS IN THE TELECOM INDUSTRY

AIR CONDITIONNERS FOR CONTROL CABINETS AND RADIO BAYS

SLIM LINE KG

**POWER VOLTAGE 220 V AC or 48 V DC
COOLING CAPACITY : 300 / 3000 W
INDOOR OR OUTDOOR INSTALLATION**



KG 4266 320 W



KG 4267 400 W



KG 5000 1000 to 3000 W

ss2a introduce in the African markets an exclusive range of compact air conditioners for radio bays, electrical cabinets, batteries storages and small technical rooms.

The range goes from 300 to 3000 watts cooling capacity and can be powered in 220 V AC ou 48 V DC.

LOW MAINTENANCE

The sizes up to 1500 W do not have filter so they are totally maintenance free.

HIGH PERFORMANCES

The rotative compressor working with R134 gaz and the special ventilation circuit produce very high performances even in difficult environment.

HEAVY DUTY CONSTRUCTION

SLIM LINE KG air conditioners are made in steel with double layer of paint. For corrosives atmospheres or very humid environment housings can be made in stainless steel.

The 110 mm thickness make the KG range the most compact air conditioners of the market. The installation needs a very small openings on support preventing the deformation of the cabinet that they are cooling.

INTERNATIONAL CERTIFICATIONS

The SLIM LINE KG range use the ecologic gaz R134 and comply with all European and US environmental norms.

It is certified : UL (USA) and CUL (Canada)

*Contact **ss2a** TECHNICAL DEPARTMENT to receive a quotation for Slimline KG air conditioners, according to your specification and quantities.*

AIR EXTRACTORS EC RANGE

EC200 EC300 & EC2000BOX



EC200

Wall or panel mounting
Airflow 1000 m³/h at 150 Pa.
Housing in galvanized steel protected by double layer of epoxy paint with inside protective grille.
Exists also with stainless steel housing.
Motor type EC48VDC fully speed controllable.



EC 300

Wall or panel mounting
Airflow 2000 m³/h at 150 Pa.
Housing in galvanized steel protected by double layer of epoxy paint with inside protective grille.
Exists also with stainless steel housing.
Motor type EC48VDC fully speed controllable.

Recommended for free cooling systems thanks to its very high air and compact size.



EC 2000BOX

Airflow 2000 m³/h
Suited for Inside or outside installation,
Sound proof housing in stainless steel with 50mm sound attenuation material inside.

Equiped with TWO Motor type EC48VDC is fully speed controllable.

The EC range of the fans is designed for the ventilation and cooling of buildings and shelters for GSM and telecommunication.

They deliver a very high airflow and pressure in order to extract the hot air produced by the radio systems in the building.

Equally, thanks to the natural phenomena of the convection they prevent the rise of the temperature by free cooling when the outside air temperature allows it.

The EC RANGE is also widely used for emergency ventilation in case of failure of air conditioning or power cuts as it works on 48 V DC power supplied by batteries.

FREE COOLING

The use of EC extractors fans driven by controllers C150DV48 can use natural ventilation to cool the room thereby reducing the operating time of air conditioners and thus achieve significant energy savings.

The EC200 & EC300 and are designed for wall or panel mounting in the room.

Airflow 1100 to 2200 m³ / h at 150 Pa.

They are supplied with wall mounting brackets, interior grille and a 0.5 m cable for easy electrical connection.

Variable speed from 0 to 100%.

The EC2000BOX is a soundproof box containing two extractors EC200 operating in parallel or in cascade which can be installed inside or outside the space. It is equipped with a flange for connection to the air outlet and automatic shutter prevent any hot air intake when the air conditioners are on.

Automatic speed control from 0 to 100% is standard.

ss2a can study and manufacture any type of special fan according of the specifications of its customers

TECHNICAL CARACTERISTICS

TYPE	AIRFLOW	RPM	Watts	Amp.	LpA(dBa)	Dimensions	Weight
EC 200	1100	2750	58	/ 1,10	60	28X28X12 cm	2.1Kg
EC 300	2100	1495	83	/ 1,85	69	38X38X10 cm	4Kg
EC200 BOX	2200	2750	116	/ 2,20	75	58X30X20 cm	6,5 Kg

C150DV48 CONTROLLER

Control extractor fans and air conditioners in shelters



The C150DV48 regulator controls and optimizes the use of air conditioners and extractors in shelters and telecommunications rooms.

All informations, warnings and alarms received by the controller can be transmitted to the control center or maintenance operators by TCPIP or SMS.

The controller C150DV48 works even if case of power outage because it is powered by 48 VDC battery power.

The main functions of the controller are :

- Alternating functioning of the air conditioners
- Start the air conditioner on standby in case of failure of the one in service
- Start the extractor fan in case of failure of the air conditioners or main power cut out. (EC fans are powered by 48VDC motors).

When main power is back the C150DV resume standard operation.

ENERGY SAVINGS

The controller optimizes the use of air conditioners by operating according to the inside and outside temperature.

Deciding the operation of the extractors when the outside temperature is sufficient to cool the building.

The C150DV48 can also collect and transmit many alarms such as: Intrusion, door opening, smoke, water...

ss2a supply all the sensors necessary to collect the above-mentioned alarms (see next page)

SPECIFIC PROGRAMS

*Depending on the specific needs of each operator,
ss2a can study and realize specific programs and special controllers.*

ACCESSORIES FOR CONTROLLERS C 150

TEMPERATURE SENSORS

Indoor temperature : TGR5PT1000
Outside temperature : TGUHPT1000
Air temperature of AC : TGAHPT1000



TRAFO4824

Converter 48/24 transformer allows operation of the controller even in case of main power failure.

SMOKE DETECTOR S50 WITH ALARM TRANSMITTER ABV

Optical sensor ceiling mounting IP20
Powered by 24V or 230V
ALARM TRANSMITTER ABVS300D
Provide informations in case of smoke in the room.
24VAC or 230VAC.
Consumption 70mA, 1VA
Alarm Outputs : 1 changeover contact, two contacts closed
DIN rail mounting, IP20



DOOR CONTACT CP21

PRESENCE DETECTOR IR24P & IR24PC

Wall (IRP24) or ceiling (IRP24PC) provides a signal when motion is detected in the room.
Equiped with an adjustable timer.24 VDC, 0.1 VA



PREWIRED ELECTRICAL CABINETS C282DT

SS2A conceive and build electrical control cabinets including prewired controller, transformers, contactors for air conditioners, motor protections for AC and extractors and a wiring terminal.



GSM and GPRS

TRANSMITTERS GSM and GPRS

SETGSM

GSM modem compatible with regulator C150DV48
DIN rail mounting, 230 or 24V
The modem is supplied with power supply, an external antenna and a cable for connection to RS 485 port of the controller.



ROUTER GPRS

The GPRS router allows connection to a main computer C150DV48 via GPRS communication.
Provided with an external antenna. 24V DIN rail mounting.



C150GESH CONTROLLERS

Control generators and fuel consumption in GSM shelters



Control and reduce electrical power or fuel costs, prevent fuel thefts with the C150GESH controller.

C150GESH controller is used for managing the operation of generators in shelters :

- Starting and stopping of the unit depending on the charge level of the batteries.
- Control generator consumption versus time of operation and tank level indication .
- Alarm in case of abnormal consumption (fuel thefts).
- Starting the group in case of need for air conditioning.

Furthermore the C150GESH controller can transmit many alarms such as :

- Battery Low voltage.
- No start of the generator
- Operating time of the generator.

All alarms can be transmitted in real time to the control center via TCPIP connection or SMS to the site managers.

With the C150GESH controller telecom operators can reduce drastically the running time of their generators, manage efficiently their fuel consumptions and prevent fuel thefts.

SPECIFIC PROGRAMS

Depending on the needs of each operator, **ss2a** can study and realize specific programs and special controllers

ELECTRICAL CABINETS

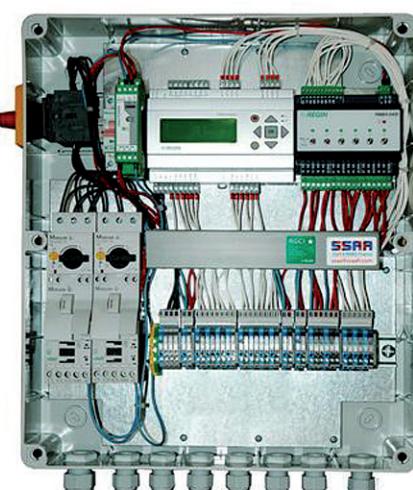
S-C282DT



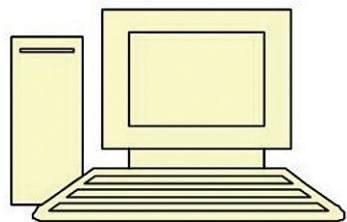
MODEM



SMS alarms
Transfer of the alarms toward a local service.
Three call numbers successively



LAN
INTERNET
TCP/IP



Global supervision :
Alarms, metering, historics, reprotoing.
Modification of the settings.



230 V, 50Hz, 1Ph
400 V, 50Hz, 3 Ph



48 V DC Permanent



Generator



Indoor temperature

3 working
Conditions :

Secours

Alternance

Boost



A C unit 1



A C units 2

Security & free cooling



Extractors fan 1



Extractors fan 2



Motorised damper with filter



Motorised damper with filter

DAMPERS, AUTO SHUTTERS GRILLES AND SOUND ATTENUATORS



REGISTERS, SHUTTERS AND DAMPERS



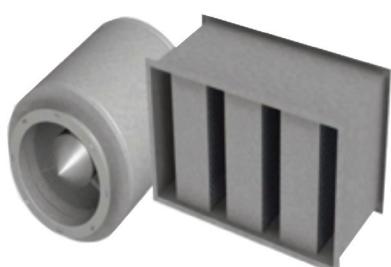
GRILLES BR20



GRILLE WITH FILTER BRPF15



SOUNDPROOF GRILLE AGZ



SILENCERS

ss2a offers a wide range of air registers manual or motorized for natural ventilation and regulation of the air flow in ventilation systems.

These registers are mostly used for :

- Free cooling by creating a natural ventilation when outdoor conditions permit.
- Stand by ventilation opening in case of non-functioning air conditioners.
- Emergency ventilation to evacuate smoke from premises in case of fire.
- Motorized shutter for air extractors.

ss2a also offers all types of ventilation grilles for shelters :

- Air inlet grille with anti volatile mesh,
- Air inlet grille with filter,
- Soundproof air grille,
- Silencers standards or customized according to the specifications and needs of clients.

PRICE LIST 2013

REGISTERS AND GRILLES

DIMENSIONS	MANUAL REGISTERS SM/DCZ	MOTIRIZED REGISTERS SMM/DCZM*	SHUTTERS VK ALU	GRILLE with FILTER BRPF 15	GRILLE with WIRE MESH BR 320	GRILLE SOUNDPROOF AGZ	SILENCERS LDR
300x300	55 €	255 €	22 €	36 €	30 €	350 €	278 €
400x400	72 €	272 €	33 €	40 €	35 €	395 €	431 €
500x500	95 €	295 €	58 €	57 €	46 €	419 €	510 €
600x600	116 €	311 €	70 €	76 €	61 €	541 €	650 €

* Indicate type of actuator : 24 V, 230 V, T/0 or proportional

AIR EXTRACTORS EC 48 V

EC 200	250 €	EC 300	490 €	EC 200 BOX	1 025 €	
INOX HOUSING : + 20%						

CONTROLLERS AND THERMOSTATS

C150DV48	520 €	C150GESH	520 €	C10 1 stage	35 €	DBET 2 stages	108 €	
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CONTROLLERS ACCESSORIES

TGR5PT1000	35 €	TGUHPT1000	22 €	TGAHPT100	80 €	
CP21	19 €	IRP24 P	105 €	IRP24PC	156 €	S50 + ABV
SET GSM	550 €	Router GPRS : On request			Electrical cabinet SC282 : On request	
TRAF015	24 €	TRAF04824				



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