

ESD 10K

User Manual / Instrucciones de Usuario

Rev. 13.01.01

ESD 10K 10KV VOLTAGE REGULATOR/REGULADOR DE TENSION DE 10 KV

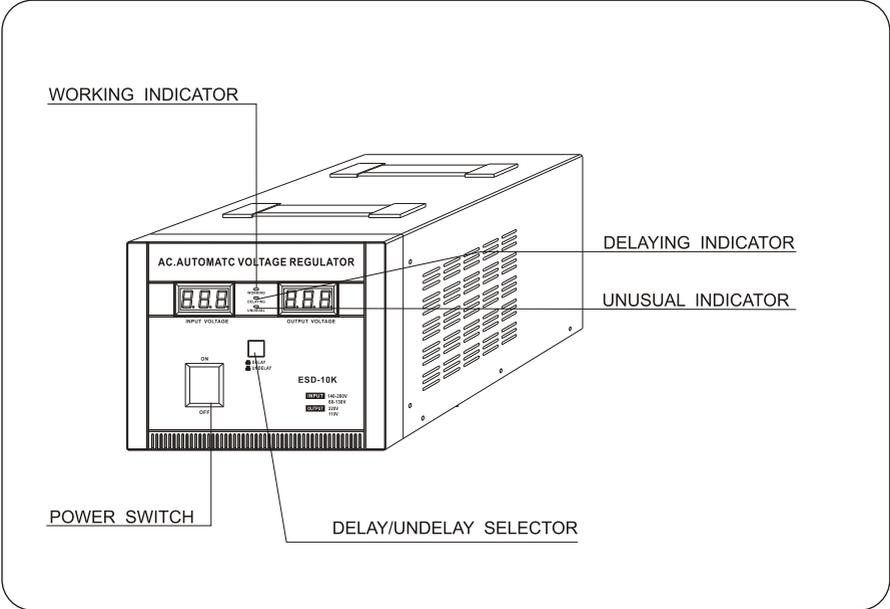


Diagram of the ESD-10K AC Automatic Voltage Regulator control panel. Callouts provide the following information:

- SHOWS THE INPUT VOLTAGE.** (Points to the left digital display)
- SHOWS THE OUTPUT VOLTAGE.** (Points to the right digital display)

Legend for indicator lights:

- WORKING** WHEN THE WORKING INDICATOR IS LIGHTING, THE REGULATOR IS WORKING.
- DELAYING** WHEN THE DELAY INDICATOR IS FLASHING, THE DELAY CIRCUIT IS WORKING AND THE REGULATOR HAS NO OUTPUT. WHEN THE DELAY INDICATOR GO OFF, THE DELAY CIRCUIT IS OFF, AND THE REGULATOR RESUME OUTPUT.
- UNUSUAL** WHEN THE UNUSUAL INDICATOR IS FLASHING, THE OUTPUT VOLTAGE IS OVER THE HIGH PROTECT VOLTAGE, THE PROTECTIVE CIRCUIT WILL START AND THE REGULATOR HAS NO OUTPUT, WHEN THE OUTPUT VOLTAGE IS UNDER THE HIGH PROTECT VOLTAGE, THE REGULATOR WILL AUTOMATICALLY RESUME OUTPUT.

ESD 10K 10KV VOLTAGE REGULATOR/REGULADOR DE TENSION DE 10 KV

AC.AUTOMATC VOLTAGE REGULATOR

INPUT VOLTAGE OUTPUT VOLTAGE

ON OFF

DELAY UNDELAY

ESD-10K

10KV 100-200V 10-20A 10KVA

IF THIS REGULATOR IS USE FOR REFRIGERANT APPLIANCE, PLEASE SELECT "DELAY", SO AS TO DECREASE THE OPPORTUNITY OF DAMAGE THE MOTOR COMPRESSOR. IF NOT, PLEASE SELECT "UNDELAY".

THIS IS THE GENERAL POWER SWITCH OF THE REGULATOR. IF THE LOAD CURRENT GO BEYOND THE POWER SWITCH WILL AUTOMATICALLY SHUT OFF. SOLUTION: REDUCE THE LOAD CURRENT THEN SET THE POWER SWITCH TO "ON".

POWER

100% 75% 50%

130 160 170 220 260

INPUT VOLTAGE (V)

THE REGULATOR'S MAXIMUM OUTPUT POWER WILL CHANGE AS THE CURVE SHOWN BELOW.

OUTPUT 110V~

OUTPUT 220V~

OUTPUT 220V~20A

FAN

INPUT

INPUT SELECT

TV SET

REFRIGERATOR

MAKE SURE THAT THE TOTAL LOAD POWER DOES NOT EXCEED THE LISTED MAXIMUM OUTPUT POWER OF THE REGULATOR.

Technology Parameter

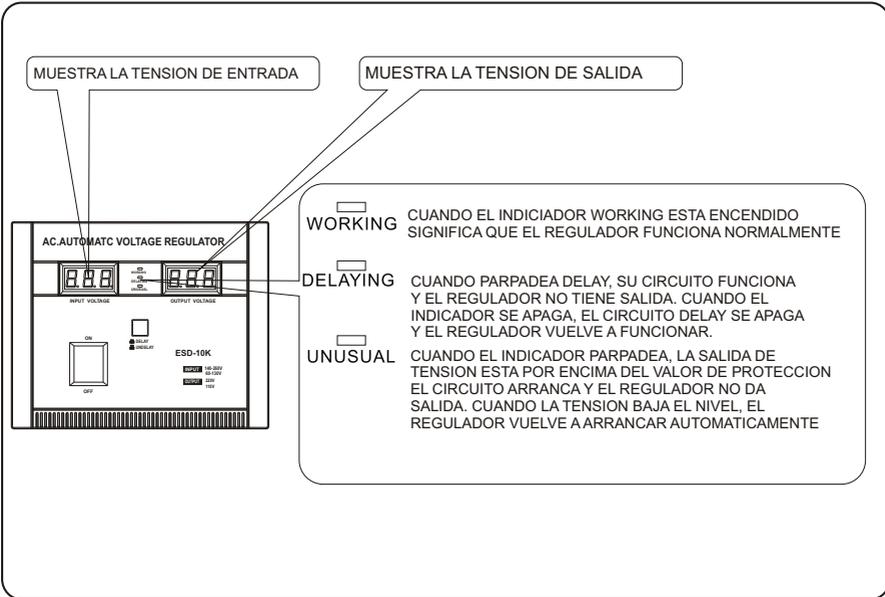
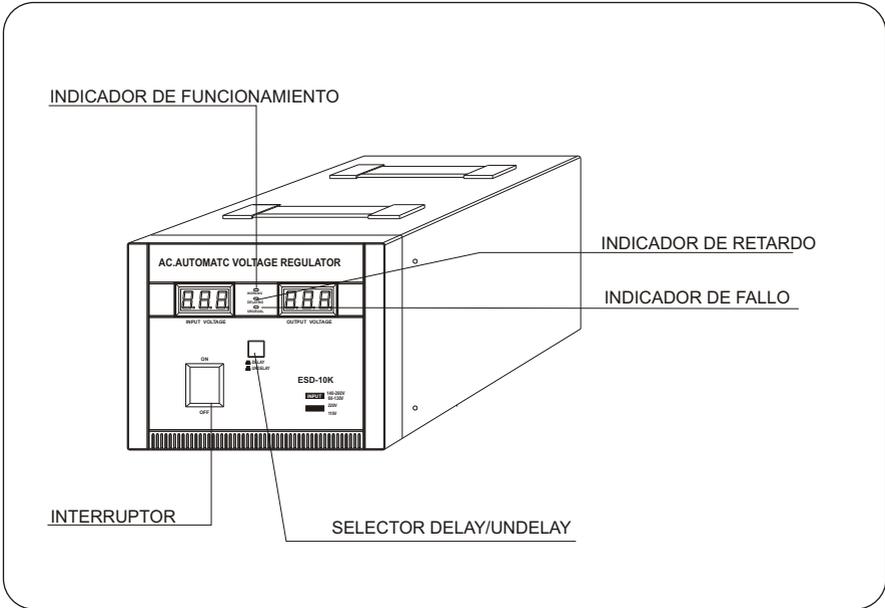
MODEL		ESD-10K			
INPUT	Voltage	<input checked="" type="checkbox"/> 140-260V	<input type="checkbox"/> 150-270V	<input type="checkbox"/> 160-280V	
		<input type="checkbox"/> 60-120V	<input checked="" type="checkbox"/> 60-130V	<input type="checkbox"/> 65-135V	<input type="checkbox"/> 80-140V
OUTPUT	Voltage	<input type="checkbox"/> 220V	<input checked="" type="checkbox"/> 230V	<input type="checkbox"/> 240V	
		<input type="checkbox"/> 100V	<input type="checkbox"/> 110V	<input checked="" type="checkbox"/> 115V	<input type="checkbox"/> 120V
	Precision	<input type="checkbox"/> $\pm 1\%$	<input checked="" type="checkbox"/> $\pm 3\%$	<input type="checkbox"/> $\pm 5\%$	<input type="checkbox"/> $\pm 10\%$
	Power	8000VA		10000VA	
Circuit breaker		---- ----			
Frequency		50/60Hz			
Delay time		<input checked="" type="checkbox"/> 6S	<input type="checkbox"/> 120S	<input checked="" type="checkbox"/> 180S	<input type="checkbox"/> 360S
High protect voltage		<input checked="" type="checkbox"/> 250V	<input type="checkbox"/> 265V	<input type="checkbox"/> 275V	
		<input type="checkbox"/> 115V	<input checked="" type="checkbox"/> 125V	<input type="checkbox"/> 130V	<input type="checkbox"/> 135V
Low protect voltage		<input type="checkbox"/> 150V	<input type="checkbox"/> 160V	<input type="checkbox"/> 180V	
		<input type="checkbox"/> 80V	<input type="checkbox"/> 90V	<input type="checkbox"/> 95V	<input type="checkbox"/> 100V
High protect temperature		<input type="checkbox"/> 95°C	<input type="checkbox"/> 105°C	<input checked="" type="checkbox"/> 120°C	

* Specification are subjected to change without prior notice.

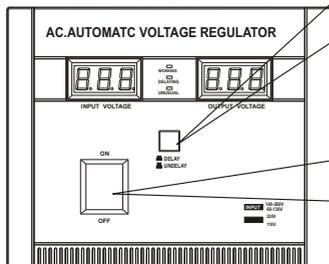
Caution

- Avoid overloading
Do not use the regulator beyond its maximum power.
- When connected to any appliance with built-in motor compressor, the starting power is generally several times of the appliance's listed power rating. Make sure that the total starting power capacity of all connected appliance does not exceed the listed maximum output power of the regulator. For color TV, calculate it twice as its listed capacity.
- Make sure that the regulator is of the same output voltage and frequency as the appliances it connected.
- Make sure that the voltage of electrical source is within the listed range of the input voltage of the regulator.
- Always place the regulator in an environment that is:
 - well ventilated.
 - not exposed to direct sunlight or heat source.
 - Out of reach from children.
 - away from water moisture oil or grease.
 - away from any flammable substance.

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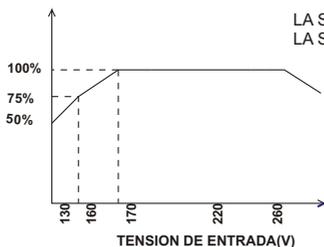


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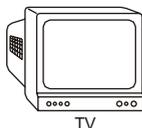


SI EL REGULADOR VA HA USARSE PARA UNA APLICACION COMO UN REFRIGERADOR, SELECCIONE "DELAY" PARA REDUCIR EL RIESGO DE DAÑOS EN EL COMPRESOR. SI NO SELECCIONE "UNDELAY"

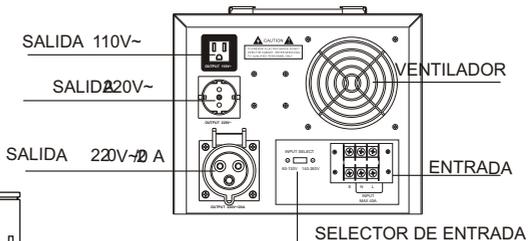
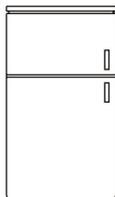
ESTE ES EL INTERRUPTOR GENERAL DEL REGULADOR, SI LA CARGA SUPERA EL UMBRAL DE PROTECCION. SE APAGA AUTIMATICAMENTE SOLUCION: REDUCIR LA CARGA Y PASAR EL CONMUTADOR A LA POSICION "ON"



LA SALIDA MAXIMA DEL REGULADOR, CAMBIARA COMO MUESTRA LA SIGUIENTE CURVA



ASEGURESE DE QUE LA CARGA TOTAL NO EXCEDE DE LA POTENCIA MAXIMA DE SALIDA DEL REGULADOR



ESD 10K 10KV VOLTAGE REGULATOR/REGULADOR DE TENSION DE 10 KV**Especificaciones**

MODELO		ESD-10K	
ENTRADA	Tensión	<input type="checkbox"/> 140-260V	<input type="checkbox"/> 60-130V
		<input type="checkbox"/> 230V	<input type="checkbox"/> 115V
SALIDA	Tensión	<input type="checkbox"/> 230V	<input type="checkbox"/> 115V
	Precision	<input type="checkbox"/> +/- 3%	
Magnetotérmico		----	----- 10000VA
Frecuencia		50/60Hz	
Retardo		<input type="checkbox"/> 6S	<input type="checkbox"/> 180S
Protect. Alta tensión		<input type="checkbox"/> 250V	<input type="checkbox"/> 125V
Protect. alta temperatura		<input type="checkbox"/> 120 °C	

* Especificaciones sujetas a cambios sin previo aviso

- Evite sobrecargar la unidad
No use el regulador más allá de su máxima potencia
- Cuando conecte cualquier aplicación que incluya un compresor, la carga en el momento de arranque es varias veces elevada. Asegúrese de que la capacidad total de arranque de todas las unidades conectadas, no excede de la potencia de salida máxima. Para un TV calcule dos veces la capacidad marcada.
- Asegúrese de que el regulador es la misma capacidad y frecuencia que la aplicación conectada.
- Asegúrese de la tensión de la toma está de acuerdo a la tensión de entrada de la unidad.
- Sitúe la unidad siempre en ambientes:
 - Bien ventilados
 - No expuesto a la luz solar directa o fuentes de calor
 - Fuera del alcance de los niños
 - Apartado de la humedad, agua o grasa
 - Apartado de sustancia inflamables



This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.



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