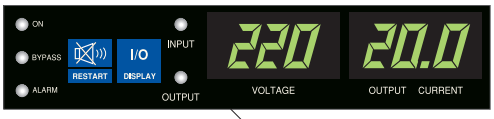
LEONICS®
ADVANCED POWER TECHNOLOGY

Wise

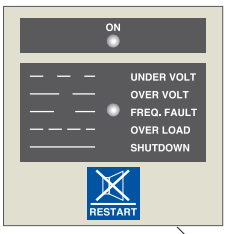
POWER LINE CONDITIONER AND AUTOMATIC VOLTAGE STABILIZER

- Microprocessor controlled tap switching voltage regulator/ power line conditioner
- Current zero crossing switching
- 6 Taps change system
- Input voltage is 220 Vac (L-N) -25% +23%
- Output voltage is 220 Vac (L-N) ± 5%
- Pure sine wave output
- Crest factor ratio 6:1
- LED status display for Wise 500 and Wise 1000 model
- 7-Segment LED and digital display for Wise 3000 and Wise 5000 model
- Voltage and current digital meter monitoring for Wise 3000 and Wise 5000 model
- Surge, spike, blackout, brownout protection
- Total solution EMI/RFI and power line noise protection
- Overload and short circuit protection
- Over voltage and under voltage protection

7-Segment LED and digital meter display



LED status display



Wise 500
Wise 1000

Wise 3000
Wise 5000

POWER LINE CONDITIONER AND AUTOMATIC VOLTAGE STABILIZER

LEONICS Wise-series is designed and manufactured by most advanced technology with microprocessor as the most reliable automatic voltage regulator (AVR) to protect your electrical equipments such as computer network, PABX, medical and scientific equipment, copy machine, stereo etc. from surge, spike, noise, EMI, RFI, voltage fluctuation and frequency drift.

LEONICS®

Wise POWER LINE CONDITIONER AND AUTOMATIC VOLTAGE STABILIZER

LEONICS CO.,LTD A5043 ISO 9001

ISO 14001
EMS 01007/045

SPECIFICATIONS

MODEL		*Wise 500*	*Wise 1000*	*Wise 3000*	*Wise 5000*
RATED POWER	Pf. = 1	500 VA / 500 W	1 kVA / 1 kW	3 kVA / 3 kW	5 kVA / 5 kW
SYSTEM	Topology	Single phase stabilizer with microprocessor controlled			
	Number of taps	6 taps			
	Crossing technique	zero current crossing			
INPUT	Voltage	220 Vac -25% +23%			
	Frequency	50 / 60 Hz ± 6% (auto sensing)			
	Wave form	pure sine wave			
OUTPUT	Voltage	220 Vac ± 5%			
	Frequency	synchronize with input			
	Wave form	pure sine wave (sinusoidal)			
	Total harmonic distortion	less than 0.3% THD			
	Overload capability	100% for continuos load 125% for 22 min. 150% for 11 min. 175% for 2 min. 200% for 44 sec. more than 250% for 10 sec.		100% for continuos load 150% for 11 min. 300% for 1 cycle	
	Crest factor ratio	6:1			
EFFICIENCY	AC to AC (at full load)	more than 96%		more than 97%	
SYSTEM	Overload	automatic shutdown with manual restart			
PROTECTION	Over / under voltage	automatic shutdown with auto restart	automatic shutdown with manual restart or auto restart (selectable)		
	Frequency fault	audible and visual alarm		audible alarm	
	Short circuit	fuse		circuit breaker	
	Surge energy dissipation	320 joules (6.5 kA)			
	Surge clamping voltage	370 Vp			
	Power dissipation	1,000,000 W within100 microsec.			
	EMI / RFI dissipation	100 kHz - 80 MHz			
	Attenuation	more than 36 dBA			
MANUAL CONTROLS	Maintenance bypass switch	no		option	
INDICATOR	Front panel LED's	power on, alarm (over voltage, under voltage, frequency fault, overload, shutdown)		power on, maintenance bypass, alarm, input voltage, output voltage	
	Digital meter monitoring (3 digit 7-segment LED)	no		input / output voltage, output current	
AUDIBLE ALARM	Overload	– – – – – – – – – – – –		0.2 sec. - 0.2 sec.	
WITH RESET FOR	Over voltage	——— ——— ———		3 sec. - 0.2 sec.	
SILENCE	Under voltage	– – – –		0.2 sec. - 3 sec.	
	Frequency fault	——— ———		4 sec. - 4 sec.	
	Overload shutdown	———————			
ACOUSTIC NOISE	At 1 metre	less than 30 dBA			
ENVIRONMENT	Temperature	0°C to 45°C			
	Humidity	0 - 95% (non-condensing)			
DIMENSIONS	W x H x D (cm.)	11 x 15 x 26	12 x 16.5 x 34	18 x 35 x 45	
WEIGHT	Approximate in kg.	5.2	9.2	36	40

Continuous product development is our commitment. In that manner, the above specifications may be changed without prior notice.