



# SPECIFICATIONS & TECHNICAL DETAILS OF AVR SPS - 3815

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### STAB:

If there is AC terminal voltage hunting than slowly rotate STAB pot anticlockwise to stabilize the voltage. Do not excessively rotate anticlockwise other wise response time will increase resulting larger dip in terminal voltage during sudden load. Excessively rotating the STAB pot in clockwise direction will result in voltage hunting.

(It is advisable that only technically qualified person should adjust these pot.)

### UFRO:

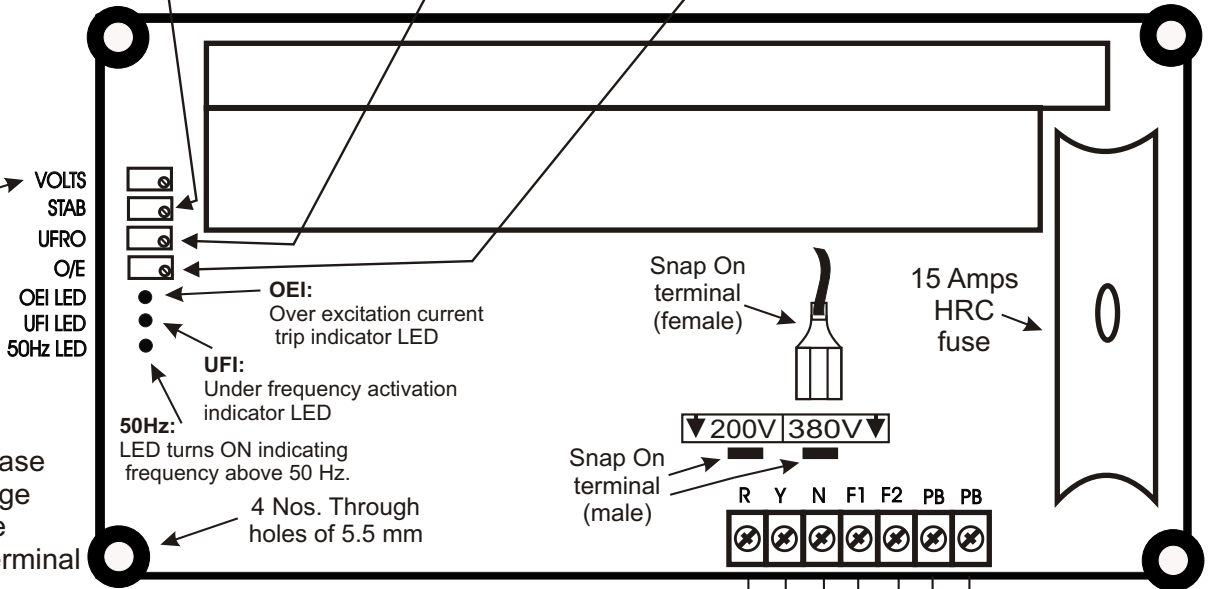
It is not required to adjust these pot as it is factory set at 47 Hz. If it is required to adjust than by rotating the pot to clockwise will increase UFRO level above 47 Hz and rotating anticlockwise will decrease UFRO level below 47 Hz. UFRO activation is indicated by UFI LED.

### OE:

Field current over excitation set pot is factory set to maximum clockwise ( 15 Amps). If it is required to cut off excitation current below 15 Amps, than connect DC ampere meter in series with F1. Load the alternator such that required DC current is noted on ampere meter. Now rotate OE pot anticlockwise till OEI LED is just ON. Once LED is turned ON the internal timer will be activated and will cut off excitation Power.

### VOLTS:

Rotate these pot clockwise to increase AC terminal voltage and anticlockwise to decrease AC terminal voltage



**For 3 Phase Alternator:**  
 1) In order to get 380 V DC output link "snap on" terminal to 380V  
 3) In order to get 200 V DC output link "snap on" terminal to 200V

### SPECIFICATIONS:

INPUT VOLTAGE	2 PHASE (415V) + NEUTRAL
SENSING VOLTAGE	415 V AC
OUTPUT EXCI. VOLTAGE	380 V DC OR 200 V DC BY "SNAP ON" LINK SELECT
OUTPUT EXCI. CURRENT	15 A DC. ( 20 A DC FOR 15 - SECONDS )
INPUT FREQUENCY	50 Hz
RESIDUAL BUILD UP	5 V AC AT 50 Hz.
VOLTAGE REGULATION	+ / - 1 %
UNDER FREQUENCY (UFRO / UFI)	FACTORY SETTING 47 Hz, ADJUSTABLE POT. INDICATION BY UFI - LED
OVER EXCITATION CURRENT TRIP ( OE / OEI )	25 SECONDS DELAY TIMER. ADJUSTABLE POT RANGE 0 - 15 ADC. INDICATION BY OEI - LED (Factory setting 15 A DC max)
PUSH BUTTON PB / PB	PUSH TO DEVELOP VOLTAGE
50 Hz INDICATOR	GREEN LED TURNS ON WHEN FREQUENCY REACHES 50 Hz
HRC FUSE( FAST ACTING)	15 AMPS
DIMENSIONS (L X B X H)	200 X 127 X 62 mm
WEIGHT	880 gms

NOTE: Continuous development of our products entitles us to change specifications & other details without notice. Please contact factory for latest information ( info@spsindia.biz )