

Safety+ Home Protector User Manual

Step-By-Step User Friendly Settings....

Step #	How To?	Use Following Keys	Remarks
# 1	Enable / Disable High Low Voltage Trip Function	<ul style="list-style-type: none"> Press "SET" button once. You will see "VOLTAGE CUTOFF". You will see either <i>ON</i> or <i>OFF</i> flashing. Use "UP" button to toggle between <i>ON</i> or <i>OFF</i> 	If chosen to be OFF, you will loose the protection from unhealthy voltage fluctuations.
# 2	Choose Low & High Voltage Trip Levels	<ul style="list-style-type: none"> Then press "NEXT" button twice. If you have chosen OFF, then Safety+ will seize to provide any tripping & safety at dangerous voltage fluctuations will not be available. If you have chosen ON in the previous screen, "LOWER VOLTAGE TRIP LEVEL xx Volts" will appear on the screen. Press "UP" button repeatedly to choose your desired trip level. The flashing fig. of trip level will increase in steps of 5V every time you press "UP" button till your desired LOW VOLTAGE TRIP level arrives on the screen. Press "NEXT" button. "UPPER VOLTAGE TRIP LEVEL xxx Volts" will appear on the screen. Press "UP" button repeatedly to choose your desired trip level. The flashing fig. of trip level will increase in steps of 5V every time you press "UP" button till your desired UPPER VOLTAGE TRIP level arrives on the screen. You can choose 80V to 210V as Low Voltage Trip level in step of 5V You can choose 240V to 320V as High Voltage Trip level in steps of 5V. 	Recommended to keep at 165V and 270V Lower Voltage & Upper Voltage Trip Levels Respectively.
# 3	Hysteresis	<ul style="list-style-type: none"> Then press "NEXT" button. "HYSTERESIS" "x Volts" will appear on the screen. "X" Volts will flash. Press "UP" button repeatedly till desired level of HYSTERESIS is reached. Fig. "X" will increase in step of 1V. You can choose the HYSTERESIS between 3V to 9V in steps of 1V. Hysteresis Meaning: To avoid frequent ON-OFF-ON-OFF of the output whenever there is a trip, we have a provision to define a voltage gap after / before which only the safe voltage will appear at the output. We recommend to choose 5V. 	Recommended to keep it at 5V.
# 4	Start-up and Recovery Delay in Sec.	<ul style="list-style-type: none"> After / before the Hysteresis voltage, we have also given a provision to choose further recovery delay during which, the output voltage will not appear. It is to avoid frequent ON-OFF-ON-OFF chattering of the output at the trip level thresholds. You can choose 0 Sec to 299 Sec. as recovery delay. We recommend to keep it at 5 Sec. Press "UP" button to set recovery delay. 	Recommended to keep at 5 Sec. Whatever recovery delay you set, get reflected as start-up delay as well.
# 5	View the settings	<ul style="list-style-type: none"> Default window shows you present input voltage, Low Voltage & High Voltage trip levels Press & release "UP" button to view Low Voltage Cutoff & High Voltage Cutoff settings followed by Hysteresis & Recovery Delay. 	-
# 6	Intelligently Override The Output Manually	<ul style="list-style-type: none"> If the output is tripped due to unhealthy input voltage, and still you want to remove the trip and want the unhealthy power, then keep "SET+UP" button pressed for 3-4 seconds. The output will toggle and the trip will be manually overridden. If there is healthy input voltage and your Safety+ hasn't tripped the output, and still you wish the turn off the power at the output, then keep "SET+UP" button pressed for 3-4 seconds. Safety+ will shut off the power at the output. 	<p>⚠ If you intentionally wish to manually override the trip, you are carrying a risk of unhealthy voltage reaching out to the load connected to the output. This may damage your equipments and is not desired. Also not recommended.</p>

If you leave any window without pressing "NEXT" button for 10 seconds, whatever inputs were set / being displayed would get automatically saved. "SETTINGS SAVED" will be displayed and display will return to home menu.

For any help, please write to business@thuse.net OR
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