Low Voltage Alarm
for Plasmatronic Regulators

This buzzer can be fitted to any 12 or 24 volt system controlled by a Plasmatronics regulator and may be connected to either the L or the G terminal whichever is not being used for any other purpose. Note that the L terminal is easier to access as it is on the main connection block.

The buzzer may also be located many metres away from the regulator and connected by almost any sized wire as the current draw is very low.

If your system is 12 volts then remove the current limiting resistor from the end of the red wire on the buzzer.

Note: All voltage values are for 12 volt systems. If your system is 24 volts then double the voltage settings only.

Find the correct setting location Using the Menu System Diagram supplied by observing the thick and thin arrows signifying long and short pushes.

Go to SET / PROG to see which program you are currently using. If the answer is 4 then all you have to do is set up the alarm as per steps 1 and 2. If you are currently using programs 0 or 2 change to program 4 and then set up the alarm as per steps 1 and 2.

1. To use the L terminal SET / MODE / LSET must be set to 9 alternatively to use the G terminal SET / MODE / GSET must be set to 9.
2. SET / MODE / ALRM will have a default setting of about 11.5 volts which is fine but you can adjust it provided it is not higher than 12 volts.

If the program you are currently using is 1, or 3 (for gel batteries only) then you will have to change to program 4, set up the alarm as per steps 1 and 2 and then copy the default settings across to the correct locations in the SET / REG screen as follows:

BMAX (volts)	14.2
EMAX (volts)	14.0
ETIM (hrs)	0
EFRQ (days)	60
ABSV (volts)	13.8
ATIM (hrs)	2
FLTV (volts)	14.2
HYST (volts)	0.1
BRTN (volts)	12.5
CHRG (amps)	20 for PL20
	40 for PL40
BFRQ (days)	10
TCMP	0
LSET	1 (see point 1 above)
GSET	2 (see point 1 above)
BSET	0

Once these settings are correct, connect the red wire (remembering to remove the limiting resistor for 12 volt systems) to BAT+ terminal and the black wire to either the L or G terminals. The alarm will sound when the battery voltage drops below the set alarm value and will turn off once the battery voltage has risen above the set value with a maximum of about 45 second delay in both directions.

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