



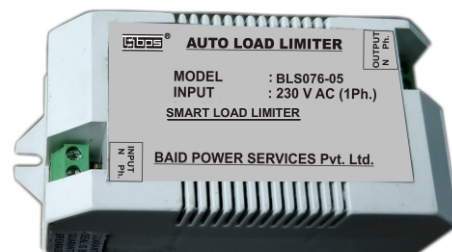
SMART LOAD LIMITER

A Perfect Solution For Power Sharing

Function:

Smart Load Limiter is a high precision micro-controller based device for efficient distribution of power. The Relay continuously monitors the current passing to the load, when the load exceeds the set limit it actuates trip circuit.

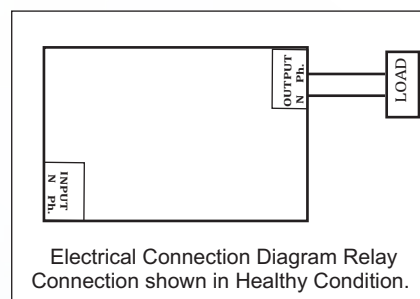
The auto reset function then re-checks the current smartly as per the overload condition by connecting the load, if current falls within the set limit the line is restored, otherwise it continues to check the current in intervals



Application:

Any installation with AC line distribution networking like:

- Rural Electrification.
- Common Generator
- Generator Load Sharing
- Multi Flat Complexes
- Multi Storied Apartments



Specifications

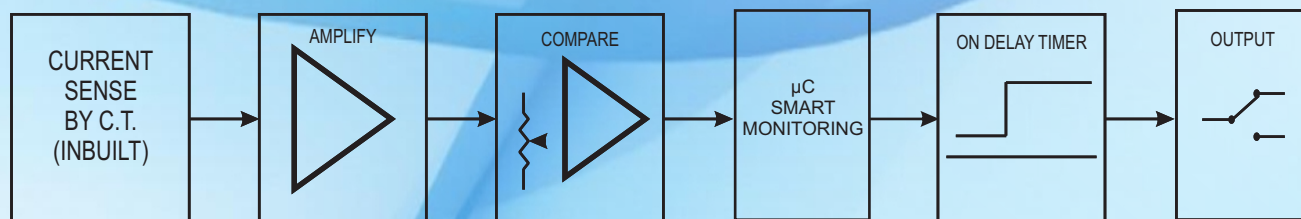
Aux:	: 240 V. AC +/- 20 %
Trip current	: 1.7 A-5 A(Factory Settable)
Max Load	: 5AAC (Factory Settable)
Out put	: 1 CO Direct Phase Out.
Sensing	: In-built CT
Indication	: LED (bi-colour)
Green	: Healthy
Red	: Over Load
Mounting	: Screw / Inside Panel
Enclosure	: ABS Molded
Dimension	: 120mm(L)x55mm(B)x40mm(H)

- Assured availability of allotted current
- Space Saving
- Smart Trip Delay
- Tamper proof & maintenance free.
- Safeguards Generator / source
- LED indication

Trip Attempt	Trip Delay	Reset Time
1st Attempt	3 seconds	10 seconds
2nd Attempt	3 seconds	25 seconds
3rd Attempt	3 seconds	1 minute

After 3rd attempt, if the Load is more than trip current, load will disconnect till it's reset by turning off/on the power.

Block Diagram:



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