

B9395-62 E

### Application

Power Reference Unit B9300 is used together with SELCO Loadsharer type T4800 or T4300, when an engine driven generator is operating in parallel with the grid. The loadsharer will adjust the power to be delivered to the system according to the setting of the power reference unit, which is adjustable from 0 - 10 (0 - 100 %). The same power reference unit can also be connected to several loadsharers where a multi engine installation is operating in parallel with a grid supply.

### Installation

When connecting terminal 5 to terminal 13 on the loadsharer T4800, the frequency control in the loadsharers will be out of function. This is necessary when running parallel to the grid or other frequency determining power sources.

The T4800 dead zone will be reduced to half of its original setting in order to be prepared to increase dead zone if instability occurs.



### Example of setting:

Current transformer 800/5  
 Generator rating 695 A  
 $\cos \Phi = 0,8$

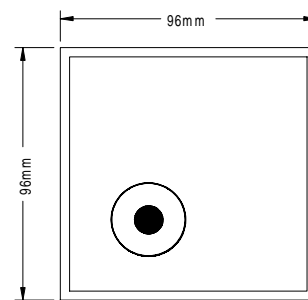
Active current =  $695 \times 0.8 = 556A$   
 Correction factor =  $\frac{556}{800} = 0.695$   
 e.g. full load is 6.95 (69.5%) on the dial.

### Specifications

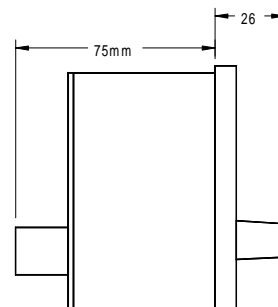
- Enclosure : Standard instrument enclosure  
96 x 96 x 80 mm (H x W x D).
- Weight : 0.7 kg.
- Power consumption : 2 VA

### Type Selection Table

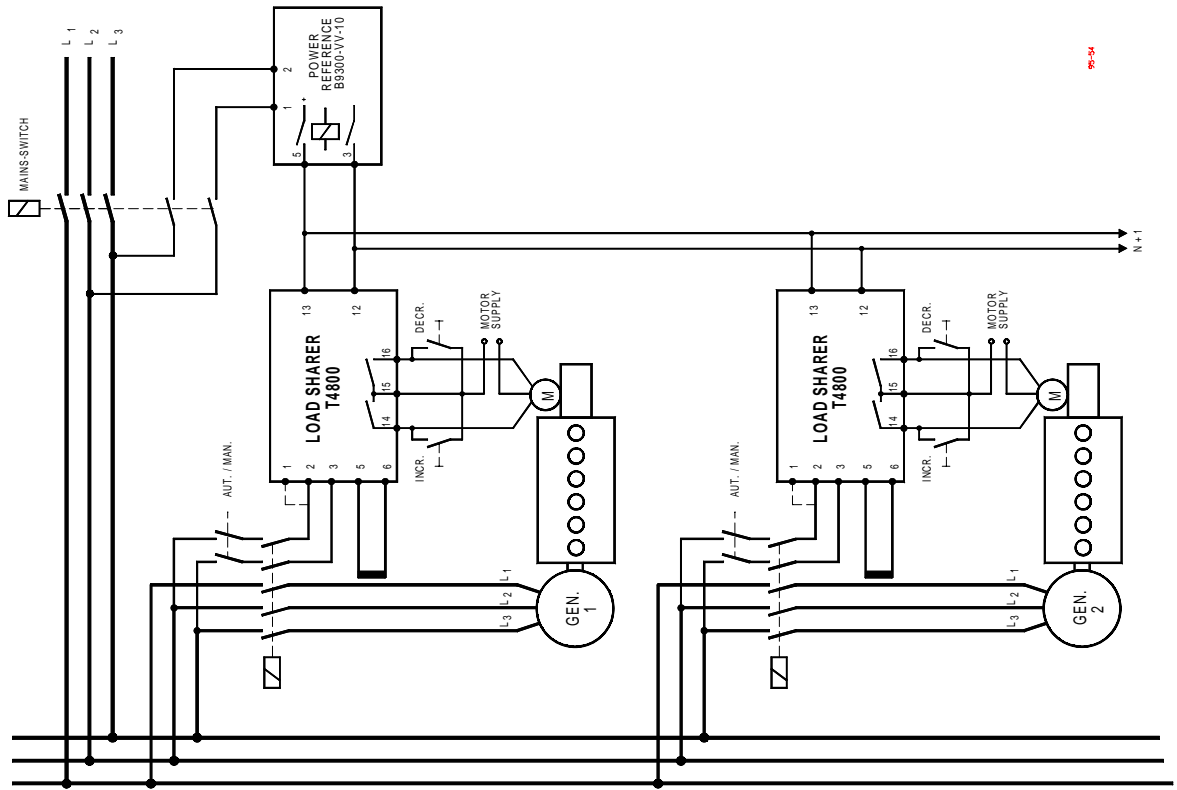
Type	Terminal 1-2	Function
B9300-00-10	220-240V	internal relay, output 0 - 1V
B9300-00-12	220-240V	internal relay, output 0 - 5V
B9300-00-14	220-240V	internal relay, output 0 - 3V, to be used with T4300-VV-VV
B9300-00-15	220-240V	internal relay, output 0 - 3V, max. adjust. from 1.5-3V
B9300-11-10	100-110V	internal relay, output 0 - 1V
B9300-38-10	380-440V	internal relay, output 0 - 1V
B9300-38-11	380-440V	internal relay, output $\pm 1V$
B9300-38-12	380-440V	internal relay, output 0 - 5V
B9300-41-10	415-480V	internal relay, output 0 - 1V



Cut out 92 x 92mm



Application diagram  
B9300 with T4800



Application diagram  
B9300 with T4300

