

SLTU 01 Soft Load Transfer Unit

DATA SHEET

Description

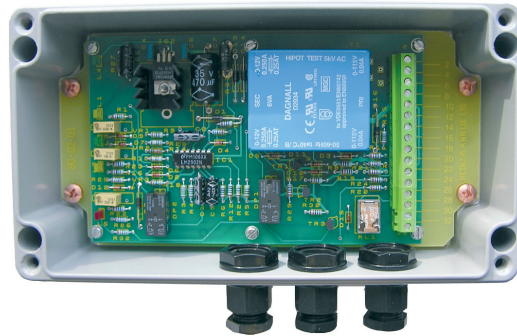
The SLTU 01 Soft Load Transfer Unit was designed to allow soft loading of a single or multiple generator system to an infinite BUS. It is often desirable to transfer the load softly rather than in one step for mains fail applications.

If a mains fail situation is known in advance, the SLTU unit will automatically allow an engine to go parallel to an infinite BUS and reduce the BUS load to 5 %, at which point the breaker can be opened and the generator can take full load in an island situation.

When the mains is reinstated the Heinzmann synchroniser will synchronise the loaded engine back to the mains and the SLTU will allow bumpless transfer of load when the mains breaker is closed, but will not allow any load to be taken by the mains. The soft load unit reduces the load on the engine with an adjustable ramp time until the engine reaches 5 % load, with the mains taking the rest. A relay contact on the SLTU then closes and allows the generator breaker to be opened, thus transferring the load fully back to the mains. of island generator sets or base load parallel to the mains.

Technical data

Supply voltage	24 VDC \pm 10 %
Supply ripple voltage	<500 mA
Supply voltage AC	100 Hz 200 mV maximum
Current transformer input	1 A
VA rating	2.5 VA
Response	Better than 20 milliseconds
Temperature range	-40 up to +80 °C
Input frequency for current transformers	50 - 60 Hz
Weight	1.2 kg



Features

Soft loading of single or multiple generator system

For mains parallel applications

Engine can go parallel to an infinite bus

Synchronising of loaded engines

Bumpless load transfer

