

Generator Automatic Mains Failure Control Panel

Model: DKG-105



Description:

Generator Engine control unit DKG-105 can completely replace with it. It has the function of auto mains (utility) failure control modules monitor incoming mains (utility) supplies and instruct gen-sets to start when mains (utility) power is not available. All modules include a range of intelligent control, monitoring and protection features for standard and electronic engine gen-set applications.

The unit fits into a standard 72x72mm panel meter opening and offers a very cost effective and space saving solution for the basic genset control. In automatic mode, the unit monitors 3 phases of the mains voltage and controls the automatic starting, stopping and load transfer of the generator. Once the generator is running, the device monitors the internal protections and external fault inputs.

Specifications:

- Step Control: 8 bit microcontroller.
- Mains Voltage: 277VAC (Ph-N)
- Mains Frequency: 50/60Hz.
- Power System Type: TN or TT.
- Alternator Voltage: 277V-AC (Ph-N)
- Alternator Frequency: 0-100Hz.
- Measurement Category: CAT II
- DC Supply Range: -9 to 33 V-DC.
 - 4 to 33 V-DC while cranking
- Current Consumption: -60 mA-DC typical (AUTO mode, mains OK)
 - 200 mA-DC max. (Relay outputs open)
- Total DC Current Output Rating: 10A-DC.
- Total AC Current Output Rating: 10A-AC.
- Max. Current for Each Terminal: 10A-RMS.
- Operating Temp.: -20°C (-4°F) to 70 °C (158°F).
- Storage temp.: -30°C (-22°F) to 80 °C (176°F).
- Maximum Humidity: 95% non-condensing.
- Dimensions: 72 x 72 x 76mm (WxHxD)
- Panel Cutout Dimensions: 68 x 68mm minimum.
- Weight: 240g (approx.)