GCU-10 KIT
Auto Start Generator Control & Protection Panel

Features
- Modular design • Quick installation • Simplify wiring and Save labor cost
- Waterproof front panel with Anti-UV protection
- Integrated microprocessor based design
- LED graphic interface for generator status and fault alarms
- High illumination LED displays suitable for outdoor use
- Three phase AC power parameters • V(RMS) • A(RMS) and Hz
- Operating hours and DC battery voltage display
- Programmable for cycle-mode or fix-mode displays
- Built-in relay module ready with fuses and power relays

GCU-10 Protection & Alarm Indicators
- Fail to Start
- High Water Temperature
- Low Oil Pressure

DSP-10 Displayed Parameter
- Over & Under Speed
- Emergency Stop
- Low Battery Voltage
- Frequency (Hz)

Specifications

<table>
<thead>
<tr>
<th>DC Supply</th>
<th>Start Signal</th>
<th>Fuel Solenoid signal</th>
<th>Pre-Heat</th>
<th>Accessory - ON</th>
<th>Idle Control</th>
</tr>
</thead>
<tbody>
<tr>
<td>12V or 24V</td>
<td>35 A @ 12/24 VDC</td>
<td>35 A @ 12/24 VDC</td>
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<td>5 A @ 12/24 VDC</td>
<td>5 A @ 12/24 VDC</td>
</tr>
</tbody>
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Alternator Input Range
- GCU-10: 5 - 300 Vac 50/60 Hz
- DSP-10: 10 - 500 Vac 50/60 Hz

Power Consumption
- GCU-10: less than 3 watts
- DSP-10: less than 2 watts

Rated CT Capacity
- Above 2.5 VA
- 5A

CT Secondary Ratio
- 5A

Environment

<table>
<thead>
<tr>
<th>Operating Temperature</th>
<th>Storage Temperature</th>
<th>Relative Humidity</th>
</tr>
</thead>
<tbody>
<tr>
<td>-20°C to +70°C</td>
<td>-35°C to +85°C</td>
<td>Max. 90%</td>
</tr>
</tbody>
</table>

Physical Specifications

<table>
<thead>
<tr>
<th>Panel Cut-Out</th>
<th>Dimension</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>66.0 x 66.0 +/-0.5 mm</td>
<td>72.0 (H) x 72.0 (W) x 50.0 (D) mm</td>
<td>1.5 Kg +/-2%</td>
</tr>
</tbody>
</table>

Mechanical Specifications