ECU-02

Digital Gen-set PLC Control Unit

Provides Full Instrumentation & Protection On Any Generator Set

Features

- Micro-Processor Based Design
- Easy-to-Read Large LED Display
- Compact Size with Vibration Protected
- Provides Full Engine & Generator Alarms Signals & Shut Downs
- 2 Wire Remote Start & Stop
- Front Panel Mounted With Manual, Off & Auto Switch
- Provided With Easy-to-Install Auxiliaries, Relays & Fuses
- No Need for Magnetic Pick-up to Check Over Speed
- Simple Operation & Programming[1]
- No Battery Power Needed to Maintain Program[2]

Protection & Alarm Status Indicators

- Engine Start Failure
- Engine Over Speed
- MPU Failure
- Abnormal Generator Voltage
- Low Engine Oil Pressure
- Maintain Service Alarm

- Emergency Stop Activated
- High Engine Temperature
- Generator Over Load
- Low Fuel Level
- Low DC Voltage

4 Digit 7 Segment Easy-to-Read LED Display

- Programmable Display with 3 Phase Volts, Amp & Freq.
- Failure Alarms Status
- Battery DC Voltage Indicator
- Total Engine Operating Hours & Service Alarm
- Internal Program Settings & Status

Specifications

Power Input	Voltage	9~30 VDC	**CT Specifications**	Burden	Above 2.5 VA
Sensing Input	Voltage	15~380 VAC 3 phase 3 wire		CT range	Min. 25A / 5A
	Frequency	50~60 Hz			Max. 3000A / 5A
MPU Signal Input	Voltage	$\pm$2V to $\pm$70V peak	**Control Signals**	Current	2.5 Amp with input volts
	Frequency	Min. 100 Hz Max. 10,000 Hz	**Operating Temperature**	-25~75 ℃	
Power Dissipating	Max. 7 watt				

Physical Specification

Panel Cut-Out	137.5 x 67.0 $\pm$0.5 mm
Dimensions	144.0 (L) x 72.0 (W) x 90.0 (H) mm
Weight	374 g $\pm$2%

Auxiliaries

Easy-to-Install Relay Board	ECU-11(12V) / ECU-22(24V)
Isolation Transformer Module	PTU-03
Harness for ECU-02 Connection	ECU-40

Mechanical Specifications (Unit : mm)
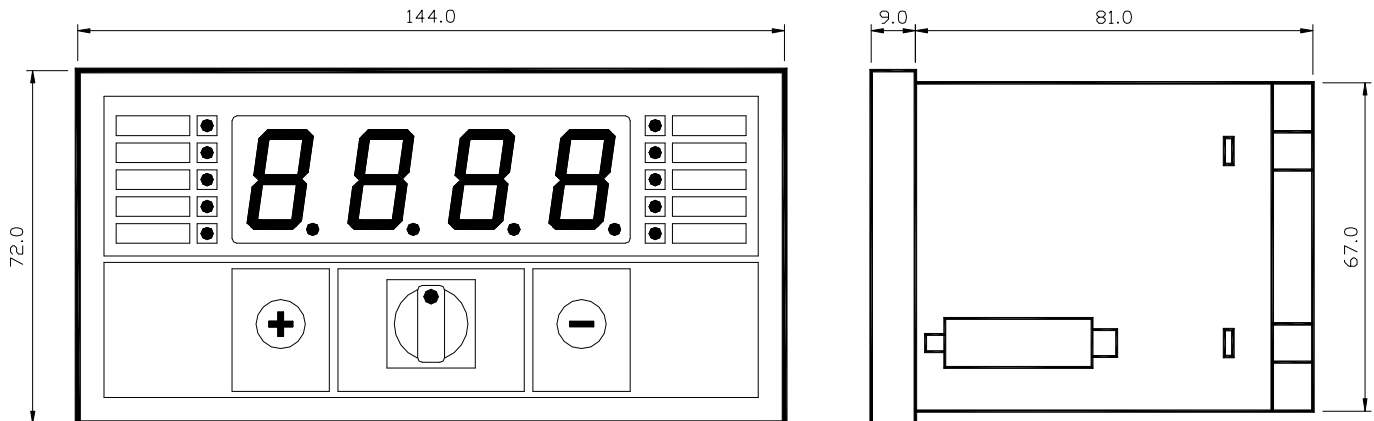
[1] There is no need for PC connection or software -- all operation can be done directly on ECU-02.
[2] Customized settings are auto-saved into memory and will remain even when power is off.
[3] Suffix "K" : Indicated a key switch is added.