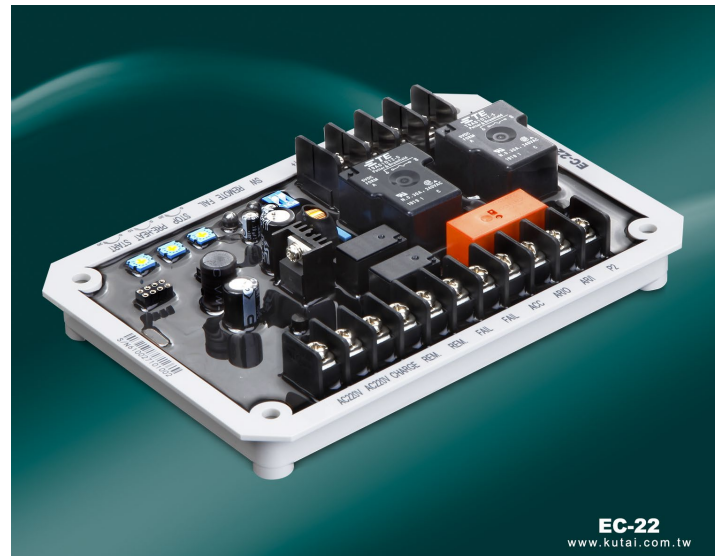


EC-22

Auto Start Control Unit for DENYO Generator

Features

- Specially designed for DENYO generators without Auto Start function
- Microprocessor-based programmable controller
- Small size, low cost and high stability
- Zero power consumption in standby mode, no battery power loss.
- Multi-turn Potentiometer for Pre-heat, Start & Fail time delay settings
- Three cranking attempts
- Generator fault indicator and alarm output contacts
- Terminal block connections for easy installation and maintenance
- Energize-to-Run and Energize-to-Stop options
- Works with both 12V and 24V generators (DIP SW setting)
- The circuit board is potted with UL94-V0 rated epoxy resin to allow use in harsh environments



EC-22
www.kutai.com.tw

Specifications

DC Power Input	Voltage 9 to 36 Vdc	Start Signal Output (START)	30 Amp @ 12/24 Vdc
AC Power Input	Voltage 10 to 300 Vac	Pre-heat Signal Output (PRE-HEAT)	30 Amp @ 12/24 Vdc
	Frequency 50/60 Hz	Common Alarm Output (FAIL)	3 Amp @ 12/24 Vdc
Static Power Dissipation	Less than 3 W	P2 terminal Output	5 Amp @ 12/24 Vdc
	0 W at standby mode	AR/O terminal Output	5 Amp @ 12/24 Vdc
Accessory Signal Output (ACC)	10 Amp @ 12/24 Vdc		

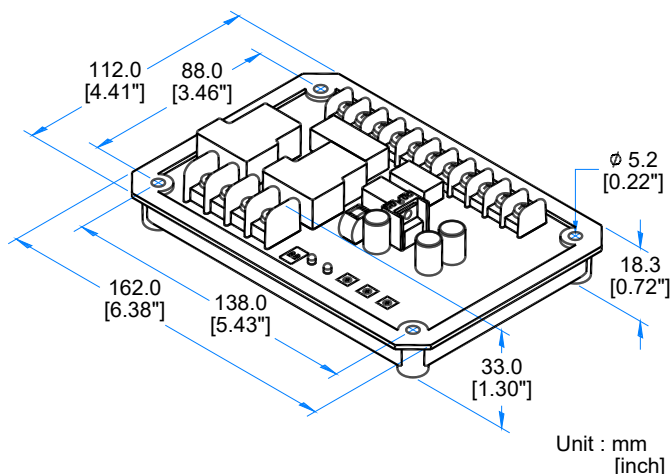
Time Delay Settings and Adjustments

Engine Shutdown Timer (STOP)	1 to 20 seconds
Engine Pre-Heat Timer (PRE_HEAT)	1 to 10 seconds
Engine Cranking Timer (START)	1 to 20 seconds

LED Status Indicators

Indicator LED (REMOTE)	External Remote start input signal
Indicator LED (FAIL)	No AC voltage output when engine is running
	Engine Failure Shutdown
	Engine Start Failure

Dimensions



Environment

Operating Temperature	-20 to +60 °C
Storage Temperature	-20 to +80 °C
Relative Humidity	Max. 95%
Vibration	5.0 Gs @ 60 Hz

Physical Specifications

Dimensions	162.0 (L) x 112.0 (W) x 33.0 (H) mm
	6.38 (L) x 4.41 (W) x 1.30 (H) inch
Weight	430g +/-2%
	0.95 lb +/-2%

*All manufacturer names and numbers are used for reference purpose only and do not imply that any part is the product of these manufacturer.



KUTAI ELECTRONICS INDUSTRY CO., LTD.
 TEL : +886-7-8121771 FAX : +886-7-8121775 Website : www.kutai.com.tw
 Headquarters : No.3, Ln. 201, Qianfu St., Qianzhen Dist., Kaohsiung City 806037, Taiwan

