

# GSC400 Gen-Set Control Panel



**The world's smallest generator control panel has the biggest and brightest screen**



**Actual Size**

- J1939 Communications
- NFPA Level 1 Compliant
- 3 On-Board 40A Relays
- Real-Time Clock
- 100 Event Failure Log
- Conformally Coated PCB
- 3 Phase AC Current Sensing
- AC Voltage Sensing to 600v
- 8 Programmable Digital Inputs
- Automatic Battery Recharge
- Generator Exerciser
- RS232 Interface
- PC Programming Interface
- Connection for 6 Industry Standard Analog Senders
- 5.5" X 4.5" X 1.6" Footprint
- Front or Rear Mountable
- 5 Year Warranty



## Great Things Come in Small Packages

DynaGen Engineers designed the new GSC400 for perfect form, fit, and function. Every feature you need in a state-of-the-art generator controller has been integrated into the GSC400's compact footprint. Smaller has never been more powerful or more elegant.

## Unbelievably Sharp Graphic LCD Screen

See for yourself - the picture above is an actual unretouched photo of the brilliant 128 x 64 white-on-blue graphic LCD screen. The GSC400 display has the highest contrast ratio and is the most luminous of any generator control panel in sight. Both viewing angle and readability from a distance are unsurpassed.

## Computer or manually programmable

The GSC400 can be programmed manually via front panel buttons OR with our easy-to-use PC software interface that provides customization of screen messages, languages, sender selections, control settings, and much more. Or, you can simply have the GSC400 configured to your settings at our factory prior to shipping.

## One-Stop Toll-Free Technical Support

Buying all your power control products from DynaGen has one very big advantage: one toll-free number for all your technical support questions. Transfer Switches - Panels - Controllers - we make them all. And, when you call DynaGen you get full access to the knowledgeable engineers who designed your product. They know how important it is to get you up and running as fast as possible.

Contact us today!

1-888-DYNAGEN  
www.dynagen.ca

*The Best Generator Controls at the Best Prices*

# GSC400 Gen-Set Control Panel

## Operating Voltage

- 7 to 32VDC with operation to 0VDC for 50ms
- Standby Current Draw 50mA

## Operating Temperature

- Controller: -40 to +85°C
- LCD Temperature Range -20 to +70°C

## Physical

High Impact ABS UV Resistant Enclosure

## Speed Sensing

Via J1939 bus, Magnetic pick-up, or Generator AC

## Front Panel Indications

High intensity LED's with regulated brightness indicating:

- EPS Supplying Load (Green)
- Preheat (Green)
- Low Coolant (Amber / Red)
- Not in Auto (Red)
- Battery Status (Green / Amber)
- Low Fuel (Red / Amber)
- Overspeed (Red / Amber)
- Low Oil (Red / Amber)
- High Temp (Red / Amber)
- Overcrank (Red / Amber)
- Failure (Red)

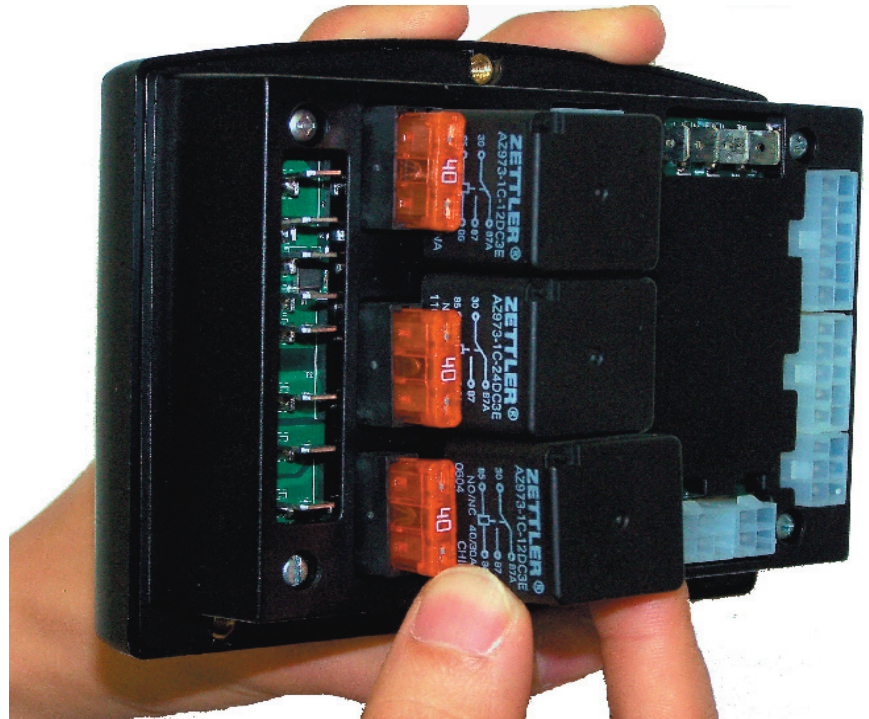
## 8 Programmable Digital Inputs

(4 switch to +battery and 4 switch to ground)

- Low Air Pressure
- Low Air Pressure
- Low Hydraulic Pressure
- EPS Supplying Load
- Alarm Silence
- Low Coolant
- AC group Select 1 & 2
- Idle Mode
- Start/Stop #2
- Auxiliary Warning / Failure

## Programmable Digital Outputs

- WarmUp
- Engine Cranking / Running
- Energize to Stop
- Preheat
- Not in AUTO
- General Failure
- Cooldown
- OverCrank
- Crank Rest
- Exerciser Alarm
- High Engine Temp Warning & Failure
- Low Oil Pressure Temp Warning & Failure
- Underspeed Warning & Failure
- Overspeed Warning & Failure
- Low Fuel Warning & Failure
- Battery Warning & Failure
- Battery Recharge Alarm
- Low Coolant Warning & Failure
- Under/Over Voltage Warnings
- Over Current Warning
- Fuel in Basin Warning
- Low Temperature Warning
- Voltage Regulator
- Backlight
- Auxiliary Warning



GSC400 showing 40Amp removable relays, replaceable fuses and connectors

## Analog Inputs (Sender/Switch/J1939)

- High Engine Temp
- Low Oil Pressure
- Fuel Level
- Oil Level
- Fuel in Basin
- Low Engine Temp

## Adjustable Settings & Parameters

### Battery

- Low/High Battery Warning/Failure (7-32VDC)
- Low Battery Recharge Level (7-24VDC)
- Battery Recharge Run Time (10-240min)
- Battery Recharge Prealarm Time (1-60min)

### Speed Sensing

- Overspeed/Underspeed Warning/Failure (100-5000rpm)
- Crank Disconnect

### AC Parameters

- Over/Under Frequency Warning/Failure (1-100Hz)
- Over/Under Voltage Warning/Failure (0-700VAC)
- Over Current Warning/Failure (0-6500Amps)
- AC Secondary Disconnect (1-100Hz)

### Engine Logic

- Delay to Start Timer (0-60sec)
- Crank Time (3-60sec)
- Cooldown Time (0-600sec)
- Preheat Time (0-60sec)
- Postheat Time (0-60sec)
- WarmUp Time (0-600sec)
- Midheat Time (0-60sec)
- Crank Attempts (1-60 attempts)
- Crankrest Time (1-60sec)
- Crank Disconnect (100-2000rpm)
- Energize-to-Stop Time (0-30sec)
- Fuel On during Crank Rest (Enable/Disable)
- Restart on False Attempt (Enable/Disable)

## Fully Programmable Engine Exerciser

- Enable/Disable
- Start date and time
- Prealarm delay (1-20 minutes)
- Exerciser run time (10-240 minutes)
- Repeat Interval (1-672 hours)

## AC systems generator parameter display

- Line-Line and Line-Neutral
- Display of phase being viewed

## Additional Features

- Conformally Coated for Moisture Protection
- Password Protection
- Sleep mode ensures low battery consumption in both AUTO and OFF modes
- Front and Rear Mountable



## Contact Us

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