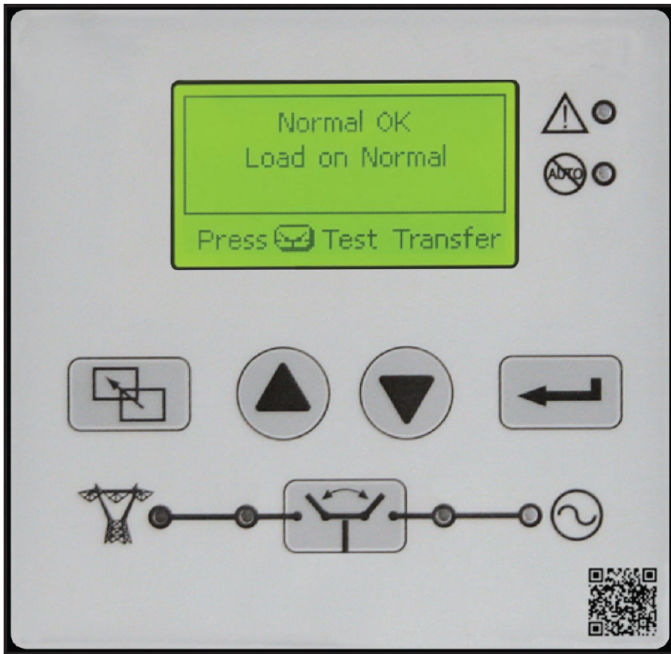


The Group G Controller has enhanced capabilities for dependable operation in a wide range of applications.



Control and Display Panel

The Group G Controller's easy-to-navigate 128 x 64 graphical LCD display with keypad provides LED indicators for switch position, source availability, not-in-auto mode, and alert condition. It also provides test and time delay bypass soft keys.

Features

- Intuitive, easy-to-navigate 128 x 64 graphical LCD display with soft keypad and provides six LED indicators
- Switch Position (green for normal, red for emergency LED)
- Source Availability (green for normal, red for emergency LED)
- “Not In Auto” (amber LED)
- Common Alarm (amber LED)
- Integrated display is self-contained requires no other components for effective operation
- Allows for open or delayed transition for both automatic and non-automatic configurations
- An integrated, multilingual, user interface for configuration and monitoring for application flexibility
- Multiple source-sensing capabilities for voltage and under frequency
- Optional current card provides current sensing without an external metering device

ASCO Group G Controller

Standard Selectable Features

- Inphase monitor to transfer motor loads, without any intentional off time, to prevent inrush currents from exceeding normal starting levels
- Engine exerciser to automatically test backup generator each week, with or without load 20 minutes not adjustable, (advanced multi-schedule exerciser available as part of optional 11BE bundle)
- Commit to transfer
- Selective load disconnect circuit to provide a pre-transfer and/or post-transfer signal when transferring from emergency to normal and/or normal to emergency
- Re-transfer to normal through soft keys on user interface permits selection of “manual” or “automatic” operation
- 60Hz or 50Hz selectable switch. Three-/single- phase selectable switch

Voltage, Frequency, and Current Sensing Features

- 3 phase sensing on the Normal source and single phase sensing on the Emergency Source (3 phase Emergency sensing optional)
- Under and over voltage and frequency settings on normal and emergency
- True RMS voltage sensing with +/-1% accuracy
- Frequency sensing accuracy is +/- 0.1Hz
- Voltage and frequency parameters adjustable in 1% increments
- Selecting settings: single or three phase voltage sensing on normal, and single phase sensing on emergency; 50 or 60Hz. 3-phase voltage unbalance on normal (Emergency unbalance optional)
- Load current sensing card (optional)

Remote Control Features

- External inputs for connecting
- Remote test switch
- Remote contact for test or peak shaving applications - if emergency source fails, the switch will automatically transfer back to normal source if acceptable
- Inhibit transfer to emergency
- Remote time delay bypass switch emergency to normal

Time Delays

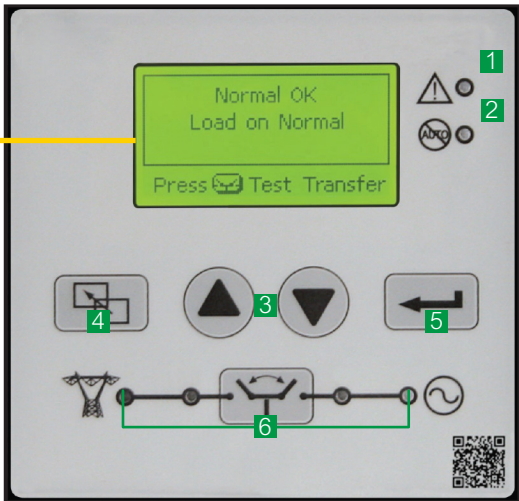
- Engine start time delay – delays engine starting signal to override momentary normal source outages, adjustable from 0 to 6 seconds, (Feature 1C)
- Emergency source stabilization time delay to ignore momentary transients during initial generator set loading, adjustable from 0 to 4 seconds (Feature 1F)
- Re-transfer to normal time delay with two settings (Feature 3A)
 - Power failure mode – 0 to 60 minutes
 - Test mode – 0 to 10 hours
- Unloaded running time delay for engine cooldown, adjustable from 0 to 60 minutes (Feature 2E)
- Pre- and post-signal time delay for selective load disconnect with a programmable bypass on source failures, adjustable from 0 to 5 minutes, (specify ASCO optional Accessory 31BG)
- Delayed transition load disconnect time delay, adjustable from 0 to 5 minutes (3ADTS/3NDTS configuration only)

Power Knowledge



Timing Delays
for ATS Transition
Modes

ASCO Group G Controller Power Control Center



Door-Mounted Control & Display Panel

- 1 Common Alarm
- 2 Not In Auto Indicator
- 3 Scroll, Up/Down Arrows
- 4 Escape Key
- 5 Enter Key
- 6 LED Source Availability and Switch Position Indicators Transfer / Time Delay Override control push-button

Status

Control Status
Normal OK
Load on Normal
Press [Test] Test Transfer

Source Status

Normal		Emergency
V _a 207V	V _a 207V	V _a 207V
V _b 206V		
V _c 207V		
60.0Hz		60.0Hz

Alarm Status
No Active Alarms

Controller Information
Serial Number
000000000000
Software Version
894063x581 12/05/14
Thu 12/11/14 15:08:54

Control Status
Normal OK
Normal + Emergency
Timer: 00Min 02Sec
Press [Bypass] Bypass Timer

Source Status

Normal	Load	Emerg.
V _a 207V	V _a 200A	
V _b 204V	V _b 198A	
V _c 205V	V _c 200A	V _a 207V
60.0Hz		60.0Hz

Alarm Status
Alarm 1 of 1
Transfer Failure
Press [Ack] To Acknowledge Alarms

Settings

Main Menu/ Settings
Enter Password

Settings/ Engine Exerciser
Engine Exerciser
Present Time 09:08:16
Program No. 1
Enable ☐
With Load ☐

Settings/General/ Communications
RS485 Port
Baud Rate 9600
Device Addr 1
Protocol AscobusII
Emulate Grp1 ☐

Settings/General/ Common Alarms
Common Alarms
Loss E when on E ☒
E Accept Fail ☐

Main Menu/ Event Logging
« Event Log »
Event 1 of 248
Engine Stop
05/07/13 10:23:44.0

Main Menu/ Statistics
« Statistics »
TS Total Transfers
82
TS Transfer Time
5.0 Sec

Main Menu/ Factory/Diagnostics
« Discrete Inputs »
CNN 1 F5 1 F30 1
CNE 0 F17 1 TST 1
CEN 0 F34 1
CEE 0 F6 1

Main Menu/ About
« About »
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