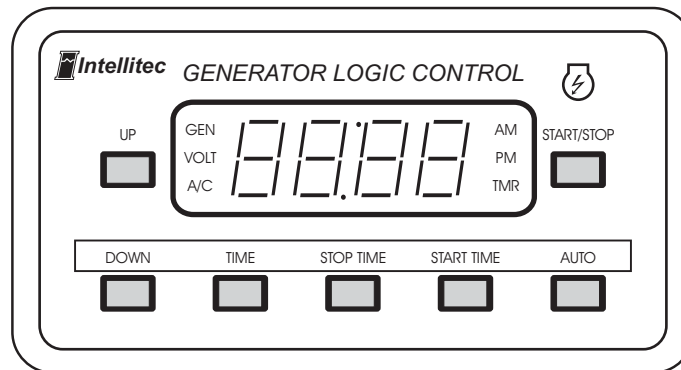# Generator Logic Control

OPERATING GUIDE

GENERATOR LOGIC CONTROL

P/N 00-00859-000

The Generator Logic Control (GLC) is designed to automatically start or stop a generator. Depending upon how the control is set, the Generator will start when either the battery voltage becomes too low, the air conditioner calls for cooling, or the time of day for auto-start has occurred. In addition to starting the generator, the control can be set to stop the generator at a specific time.

AUTO

If the control is set for "AUTO", the generator will start when the house batteries are low (below 12.1 Volts) and will run until the battery voltage has exceeded 13.3 volts for one hour. The generator will also start if the thermostat calls for air-conditioning. When the generator has been started for air conditioning, the generator will run until the thermostat's setting is reached, plus an additional 10 minutes.

To enter Auto mode, press the button marked "AUTO", the indicator light on the button will light. When the generator is running, the lightning bolt symbol will illuminate. To turn auto mode off, press the Auto mode button.

START/STOP, START TIME, STOP TIME

Regardless of the mode, the generator can be started or stopped by pressing the start/stop button. Following the directions below, a start time and stop time can be entered in to the controller. When the start time is reached, the control will go to the auto mode. The generator will start if the battery voltage is low or the thermostat is requesting air conditioning. The generator will function per the description in AUTO above. When the stop time is reached, the generator will stop and auto mode will be cancelled. Start and or Stop time is enabled when the push button indicator light is illuminated. To cancel either the start or stop time, press the button.

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SETTING TIME

To set the time of day, stop time or start time, press and hold the corresponding button for three seconds until the hour digit flashes. Push the "UP" or "DOWN" button to set the hour. Press the desired button again and the minutes will flash. Press the "UP" or "DOWN" buttons to set the minutes. When finished, press the desired button once again to lock in the time.

When starting the generator, the Generator Logic Control will crank the generator for 5 seconds. If it has not started by the end of that time, it will stop for 5 seconds and retry again. If, after the fifth attempt the generator does not start, "GEN FAIL" will flash on the display. To clear this message, press the "START/STOP" button.

DISPLAY

The Generator Logic Control can display the time of day, battery voltage, generator run-time, and the air conditioner thermostat position.   To scroll through the different displays, press either the "UP" or "DOWN" buttons.   The corresponding LED indicator will illuminate to let you know which mode you are viewing.

BUTTONS

- **TIME** button displays the current set time.
    - **STOP TIME** button displays the time of day the generator will automatically shut off if pressed. Pressing it once activates the auto shutoff**.** Pressing it a second time turns the auto shutoff off. When auto shutoff is active, the button will be illuminated.
    - **START TIME** button displays the time the GLC will go into "AUTO" mode.   Pressing the button once turns it ON and another press turns it OFF.   When active, the button will be illuminated.
    - **AUTO** button puts the GLC into auto start mode.   When in this mode the generator will start if the air conditioner calls for cooling or the battery voltage gets too low.   The button will illuminate whenever in auto start mode. To turn OFF auto start mode, press the button until light is no longer ON.
    - **START/STOP** button starts or stops the generator with a single push *(do not hold the button down)* depending on the state of the generator. If OFF, the button will turn the generator ON. If ON, the button will turn the generator OFF. When the generator is ON, the light just above the button will illuminate.

MANUAL OPERATION

To manually start or stop the generator, press and release the START/STOP button.   When starting, the generator will crank the starter for 5 seconds.   If the generator does not start, it will attempt again.   If the generator does not start after the fifth attempt, the display will read "GEN FAIL".

ACTIVITY TIMER

When the generator is started, a timer is started in the controller. The timer counts down from 24 hours. If at the end of 24 hours, no activity has been observed on the coach, the controller will exit from auto mode and the generator will stop. If activity has occurred, the controller will stay in auto mode. This is a safety feature in the event that the auto mode has been left on unintentionally. Many manufacturers use a switch at the entrance door, which will operate as the door is opened and closed to tell the controller that there is activity. The time remaining on the activity timer can be observed by pressing the up down buttons until "TMR" is illuminated.

GEN SET ACCESS

If the generator access door is open, the auto start feature is disabled and the display will flash "*DOOR*".