

DESCRIPTION

The Fuel Circulation Control is a microprocessor-based, digital controller that provides a fuel circulation cycle based on selected settings. Select the cycle interval (in days) and the run duration. The module is easy-to-read, easy-to-use and simple to install. It is housed in a robust, water tight enclosure. Manual mode for manual start/stop. Module includes fuel level monitoring, fuel level alarm and fuel level reset (% change in fuel that resets the cycle interval).

DISPLAY

Large backlit display with 1/2" characters.



Cycle Timer ON



Cycle Interval 2 Days



Low Fuel Level Alarm



Run Duration 45 Minutes

SET UP

Operation is simple. Just select the following parameters.

- 1) Cycle Interval (Time interval in days between starts)
- 2) Run Duration (Period of time per run cycle)
- 3) Fuel Level Reset Percentage (% Change to reset the Cycle Interval)
- 4) Fuel Level Alarm (Fuel level alarm percentage)

OPERATION

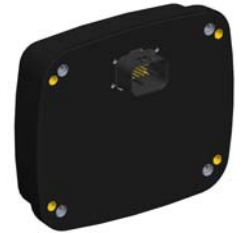
Upon selecting the four set-up parameters, the display shows the countdown to run. When countdown is completed, the circulation pump runs for selected run duration. While running, the display shows remaining run time and a turning pinwheel icon. The cycle interval resets if the fuel level changes by more than the "Fuel Level Reset Percentage" or the controller senses a generator run signal. A manual override is provided to run the circulation pump (which does not reset the Cycle Interval). Unit goes into a sleep mode to minimize current draw. A flashing yellow LED indicates sleep mode, all systems ok. A flashing red LED indicates alarm condition. Unit awakes by touching the UP or DOWN button.

January						
S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

February						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

March						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

April						
S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		



Back

Countdown in 1 Day, 23 Hours, 59 Minutes
Battery Voltage 12.6V, Fuel Level 21%, Run Hours 1,321.4

SPECIFICATIONS

GENERAL

OPERATING VOLTAGE.....5.5 VDC to 20VDC
CURRENT CONSUMPTION AT 12.6V.....350mA
CURRENT CONSUMPTION AT 12.6V (Sleep Mode).....15mA
OPERATING TEMPERATURE.....-20°C to +70°C
STORAGE TEMPERATURE.....-30°C to +80°C
HUMIDITY.....95% Non-condensing
REVERSE POLARITY PROTECTION.....Yes
TRANSIENT VOLTAGE SURPRESSION.....Yes
LOAD DUMP PROTECTION.....Yes
DISPLAY.....LCD, 1"H X 4"W, (2 lines x 16 characters/line)
ENCLOSURE.....Polycarbonate
OVERLAY/INTERFACE.....Autotex Polyester
APPROX. WEIGHT.....1.5 lbs
APPROX. DIMENSIONS.....5.69"H x 6.57"W x 1.61"D

INPUTS

ANALOG FUEL INPUT (33-240 Ohm).....1
DIGITAL RUN INPUT (Normally Open).....1

PUMP OUTPUT

5A FORM A DRY CONTACTS.....1

CONNECTOR

TYCO AMPSEAL 14-PIN.....ENVIRONMENTALLY SEALED

OTHER

DISPLAY BACKLIGHT ADJUSTMENT.....SELECTABLE
DISPLAY TEMPERATURE CONTRAST ADJUSTMENT.....AUTOMATIC

Extreme Cold Weather Option

OPERATING TEMPERATURE.....-45°C to +85°C
STORAGE TEMPERATURE.....-55°C to +95°C

EXAMPLE

- Cycles Interval (14 Days)
- Run Duration (30 Minutes per Cycle)

With a set up date of January 1st, the unit runs every 14 days for a period of 30 minutes as shown below. Manual overrides do not reset the cycle interval leaving the schedule in tact.