

FTI Air Batch Controller

AIR OPERATED DOUBLE DIAPHRAGM PUMPS

The FTI Air Batch Controller is an electronic device that controls the number of pump cycles by managing on/off output to a solenoid installed in the pumps air supply.

The batch controller counts pump cycles and controls the output to the air control solenoid based on a user setting for number of cycles per batch (automatically turning the pump on/off).

Batch/volume pumped estimates can be made using published displacement per stroke value for each pump size (displacement is shown per stroke; batch controller counts cycles which is two strokes).

Features

- AC Input available in 115v/1ph/50/60Hz or 230v/1ph/50/60Hz
- Ability to control two pumps, each with independent batch programs
- Can save up to three programs per pump for maximum flexibility
- Program variables include number of pump cycles, repeat delay and batch count
- Two modes – batch and run (in run mode pump can be turned on/off via function key on control panel)
- Cycle count feature can be used for preventative maintenance. Continues to totalize until reset or reaches 1 million cycles.
- Two versions – AC in/AC out and AC in/24v DC out
- PLC control
- NEMA 4X/IP65 enclosure
- Solid state relays on DC output versions for maximum reliability with DC solenoids
- CE marked
- 12 ft./3.5m prewired power cord with plug (Type A for 115v/Type C for 230v)
- (2) 16 ft./4.9m prewired proximity sensor cables (optional cable extensions available to extend length to a maximum of 250 ft./76m)
- (2) 16 ft./4.9m plug in solenoid control cables with DIN connector for the solenoid (optional cable extensions available to extend length to >1,000 ft./305m for AC solenoids or a maximum of 200 ft./61m for DC solenoids)
- Optional solenoid valves for air control in 115v, 230v, or 24v with plug and play DIN connector

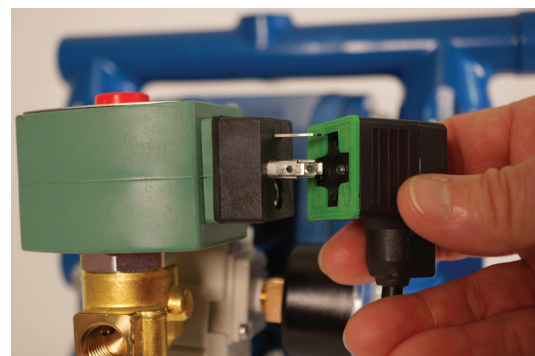


AC In/AC Out Batch Controller

Supplied 16 ft. (4.9 m) Plug-In Solenoid Control Cables



Optional Sensor & Solenoid Control Extension Cables



Optional Solenoid Showing Plug-In Feature

Note: Requires pump equipped with proximity sensor in the air valve cap. When ordering a pump model, select letter "B" for metallic or "Q" for non-metallic air valves. This will be a pump fitted with the required air valve components to use with the batch controller, then order the appropriate batch controller. Complete sensor mounted air valves are available and can be retrofitted on existing pumps to allow use with the batch controller.

Specifications

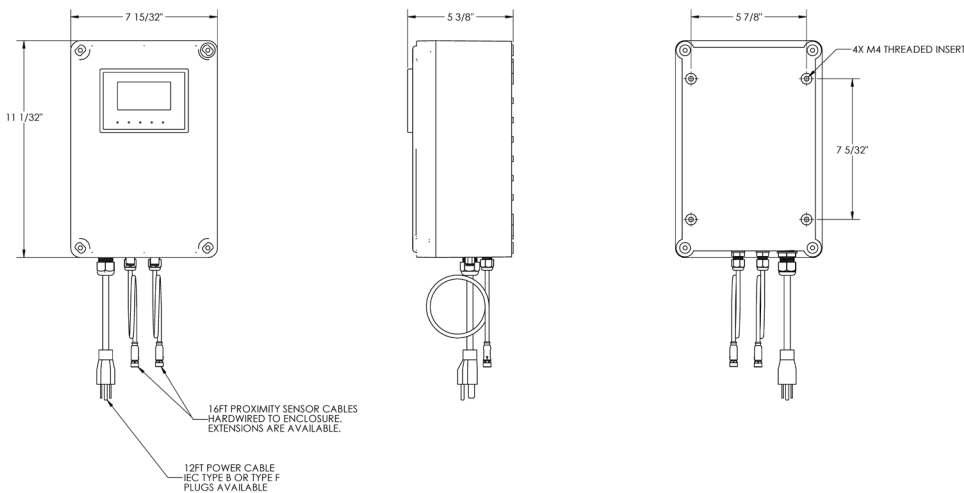
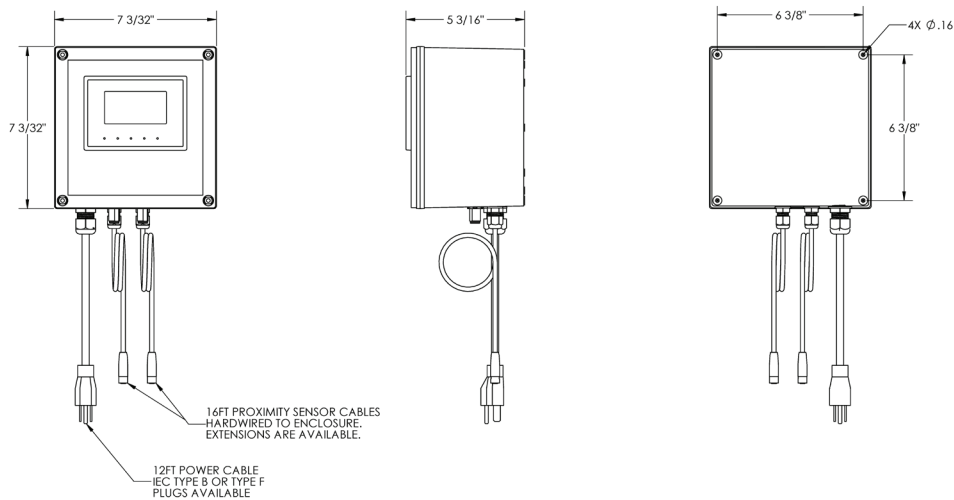
Operating Environment Temp Limit:	32°-122° F (0°-50° C)
Operating Environment Humidity Limit:	85% RH Max Non-Condensing
Unit Weight (including standard length power, sensor and solenoid cables):	AC In/AC Out: 6.5 lbs (3.0 kg) AC In/DC Out: 7 lbs (3.2 kg)
Enclosure Dimensions:	AC In/AC Out: 7" x 7" x 5" (17.8cm x 17.8 cm x 12.7 cm) AC In/DC Out: 11" x 7.5" x 5" (28cm x 19 cm x 12.7 cm)
Enclosure Material:	AC In/AC Out: Polycarbonate AC In/DC Out: Polyester/fiberglass
Enclosure Rating:	NEMA 4X, IP65

Part Numbers

Batch Control Part Number Information

Part No.	Description
109852	Batch Controller, AC In/AC Out Type A Plug (115v, 1 ph, 50/60 Hz)
109852-1	Batch Controller, AC In/AC Out Type C Plug (230v, 1 ph, 50/60 Hz)
109852-2	Batch Controller, AC In/DC Out Type C Plug (230v/1 ph/50-60Hz; 24V DC output)
109852-3	Batch Controller, AC In/DC Out Type A Plug (115v/1 ph/50-60Hz; 24V DC output)

Dimensions



Proximity Sensor Cable Extensions

Part No.	Description
109850	Cable, proximity sensor extension 25 ft/7.6m
109850-1	Cable, proximity sensor extension 50 ft/15.2m
109850-2	Cable, proximity sensor extension 100 ft/30.5m

Batch Control Solenoid Cable Extensions

Part No.	Description
109851	Cable, solenoid extension 25 ft/7.6m
109851-1	Cable, solenoid extension 50 ft/15.2m
109851-2	Cable, solenoid extension 100 ft/30.5m