

IOP 005A.5  
Effective Date: 1/06/2017  
Replaces IOP 005.4  
Page 1 of 2

U.S. Fish and Wildlife Service  
Marquette Biological Station  
3090 Wright Street  
Marquette, Michigan 49855  
U.S.A.

and

U.S. Fish and Wildlife Service  
Ludington Biological Station  
5050 Commerce Drive  
Ludington, Michigan 49431  
U.S.A.

and

Department of Fisheries and Oceans  
Sea Lamprey Control Centre  
1219 Queen Street East  
Sault Ste. Marie, Ontario P6A 2E5  
Canada

## **INSTRUMENT OPERATING PROCEDURE**

### **INSTRUMENT:**

Large volume .5 HP centrifugal pump W/Variable speed controller.

### **MODEL:**

ID1D1F50-E Vari-speed inverter

### **MANUFACTURER:**

Baldor

### **PRECAUTIONS:**

The electronic controller is specific to the pump on which it is mounted (.5 hp 3-phase). Attempting to use this controller on any other pump motor may cause serious damage to equipment or personnel. **Do not operate this pump at less than 800 RPM. Overheating and damage can occur.**

### **POTENTIAL INTERFERENCES:**

None

### **SAFETY:**

Electronic control box must be wired and grounded according to the schematic in the installation manual. Failure to do so could result in severe electrical shock.

**PROCEDURES:**

Connect unit to a suitable 110v power supply. Press **FWD** button to start the pump. Feed rate adjustments are performed by pressing the yellow **UP** or **DOWN** arrow keys while the pump is operating. This pump is used to deliver 5 to 30 L of lampricide per min. This increases or decreases the RPM of the pump motor and the feed rate. To stop pumping press the red **STOP** button.

**MAINTENANCE:**

Little user-maintenance is required or possible. Assure that the electronic unit is clean of dust, dirt, and moisture.

**REFERENCE:**

“Baldor Series 10 Inverter Control” installation & operating manual.

---

This procedure has been reviewed and approved by the undersigned representative of the U.S. Fish and Wildlife Service.

REVIEWED/APPROVED \_\_\_\_\_ DATE \_\_\_\_\_  
Field Supervisor (U.S.)