



**RODIX INC.**  
**FEEDER CUBE®**  
**FC-70 SERIES**  
**APPLICATION NOTE**



**FC-70**



**FC-75**



**FC-71**

**MODEL - FC-70 P/N 121-036**  
**GENERAL PURPOSE**

**MODEL - FC-71 P/N 121-037**  
**OIL RESISTANT**

**MODEL - FC-75 P/N 121-040**  
**OPEN FRAME**

**Input:120 VAC**  
**50/60 HZ.**

**Output:0-120 VAC**  
**Single Unit Fuse Size:**  
**5 AMPS**

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## **ADJUSTMENTS AND SET UP**

### **1. SELECTING 60 OR 120 PULSE OPERATION:**

- A. For 60 pulse output - Set switch to 60 on P.C. card (No. 121-36). See note below.
- B. For 120 pulse output - Set switch to 120 on P.C. card.

**Note:** Remove power before changing the "60/120" Pulse switch setting. If control is re-assigned from 60 to 120 pulse (or vice versa), the zero setting should be re-adjusted per note 2.

### **2. TO SET ZERO OR MINIMUM OUTPUT OF CONTROL:**

**NOTE:** Output to feeder must be connected and the control set for proper frequency (60 or 120 pulse) setting.

- A. Power input should be **OFF** or disconnected.
- B. Open cover to allow access to printed circuit card.
- C. Rotate **MAIN CONTROL DIAL** on front cover to its lowest setting.
- D. Rotate **ZERO ADJ. P1** (counter clockwise) on printed circuit card to zero (left).
- E. Using **CAUTION**, turn power **ON** (no output should be present).
- F. **SLOWLY** rotate **ZERO ADJ. P1** (clockwise) on printed circuit card until output to feeder reaches desired (low) level. Control is now ready for normal operation, use the **MAIN CONTROL DIAL** to adjust the output to the feeder from a low level to full **ON**.

### **3. REMOTE OFF/ON CONTROL**

For low current switching using contacts or switch remove the "Interrupt Jumper." Then, connect your remote control contacts or switch to these terminals. Open contacts turn unit **OFF**. Close the contacts to turn the unit **ON** (switched signal is 120VAC 5mA max.).

### **4. ACCESSORIES:**

A **Run Interlock Interface Module** allows the FC-70 control to be remotely turned OFF/ON by a Programmable Logic Controller (PLC) or some other device. 120VAC, 24VDC, and 12VDC models are available. The low profile module attaches easily to the FC-70 circuit board.

### **WARNING:**

**Fuses should be replaced with Littelfuse 3AB "Fast Acting" type or equivalent of manufacturer's original value.**

**Mounting this control on a vibrating surface will void the warranty.**

### **WARRANTY**

**Rodix Control Products are Warranted to be free from defects in material and workmanship under normal use for a period of two years from date of shipment.** For the full description of the warranty, terms, and software license, please contact the factory.

For assistance installing or operating your Rodix Control please call the factory. Technical help is available to answer your questions and Fax any needed information. To return a control for IN or OUT of Warranty Service, please ship it prepaid to:

**Rodix Inc., ATTN: Repair Department**

If under Warranty, Rodix will repair or replace your control at no charge; If out of Warranty, we will repair it and you will be billed for the repair charges (Time and Material) plus the return freight. Quotes for repairs are available upon request. A brief note describing the symptoms is appreciated by our Technicians.

Feeder Cube® is a registered TM of Rodix Inc.

### **RODIX, INC.**

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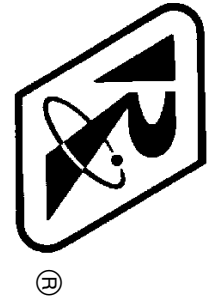
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**FAX (815) 874-6604**

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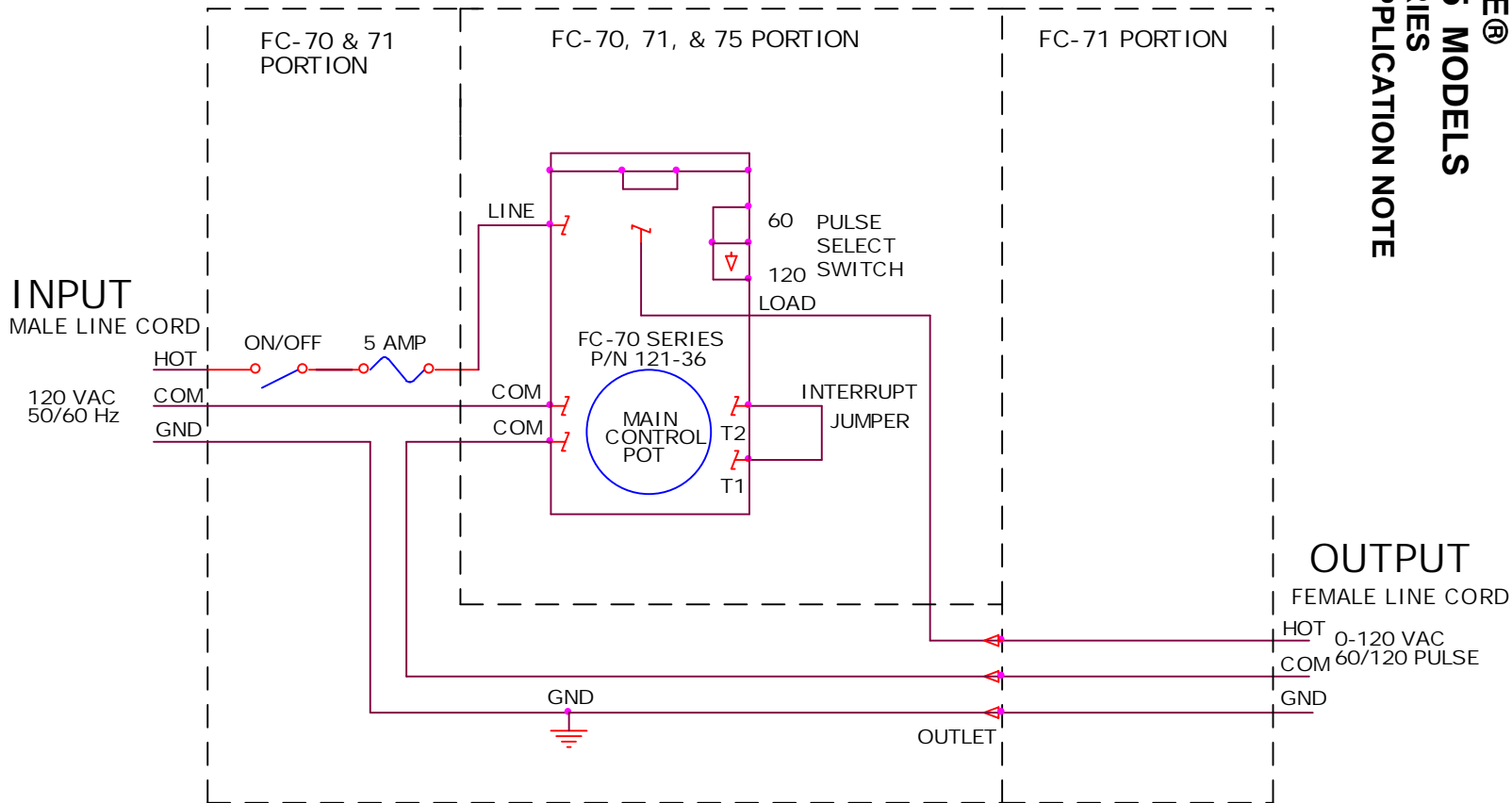


**RODIX INC.**  
**FEEDER CUBE®**  
**FC-70 SERIES**  
**WIRING DIAGRAM**



**FEEDER CUBE®**  
**FC-70, 71 & 75 MODELS**  
**MINIATURE SERIES**  
**IMPORTANT: APPLICATION NOTE**

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**MODELS**  
**FC-70, 71, 75**

**INPUT**  
**120 VAC**

**AMPS**  
**5A**

**OUTPUT**  
**0-120**