

**OPERATING THE  
COMMERCIAL KITCHEN  
P16 TIMER**

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## **OVERVIEW OF THE P16 TIMER**

The P16, commercial, sixteen-product, kitchen-timer is controlled by a single chip computer to display, on two four-digit LED displays, the remaining cooking time during cooking cycles.

A low-cost ceramic resonator provides the necessary timing accuracy, independent of line voltage frequency.

Each P16 will time the cooking cycles of sixteen products, all being cooked at the same time. There are two groups of eight timers, one group above the other, with their respective displays to the right of the group.

Each P16 has thirty-two stir alarms. Products 1-5 may have up to three stir times each, products 6-11 may have up to two stir times each, and products 12-16 has one stir time each.

Cooking times and stir times are retained in Electrically Erasable Programmable Memory (EEPROM), so that memory is saved even when power is removed. This memory is field programmable by the user.

### **MOUNTING THE P16.**

Attach the mounting bracket on the hood or other vertical or horizontal surface. Use the four 6-32 X 1/4 inch screws supplied to attach the P16 to the bracket. Note that the P16 may be rotated downward by twenty degrees by using the appropriate mounting holes.

### **ELECTRICAL POWER.**

The power cord from the P16 may be plugged into any convenient power receptacle supplying 120 VRMS at 50 or 60 Hertz. Power usage is 15 watts.

## **OPERATION OF THE P16.**

The operation of the P16 is simple and straight forward, as outlined below.

### **POWER ON.**

The power toggle switch is located on the back left-side of the chassis. When power is applied, the P16 will beep and both displays will show “ rdY.”

### **STARTING A TIMER.**

Press the switch representing the product to be timed.

The remaining cooking time will show in the display to the right of the switch.

### **STARTING A SECOND OR MORE TIMER IN THE SAME GROUP.**

Press other switches in the same group as needed to time other products. The display for the group will show the remaining time for the product having the least time. The lamp for this product will flash on and off.

### **STARTING A TIMER IN THE OTHER GROUP.**

Press the switch representing the product to be timed.

The remaining cooking time will show in the display to the right of the switch.

### **STARTING A SECOND OR MORE TIMER IN THE OTHER GROUP.**

Press other switches in the same group as needed to time other products. The display for the group will show the remaining time for the product having the least time. The lamp for this product will flash on and off.

### **STIR ALARMS.**

Each time a countdown timer is equal to its STIR Time, the stir alarm will sound with a beep, beep and the appropriate lamp will flash on and off.

Pressing the flashing lamp switch will silence the alarm and the timer will return to normal operation.

### **VIEWING THE REMAINING TIME OF ANOTHER TIMER.**

Press the switch representing the product’s time you wish to see. The remaining cooking time for the selected switch will show in the appropriate display.

### **TERMINATING (CANCELING) A COOKING CYCLE.**

Press and hold in the switch representing the cooking time you wish to cancel for five seconds, at which point the timing cycle is terminated.

## PROGRAMMING THE P16.

Programming the P16 is simple and straight forward. Follow the instruction on the left side of the page and review the Figures on the right. NOTE: To eliminate a stir time, make that particular stir time zero.

### PROGRAMMING STEPS

#### STEP 1 (See Fig. 1): ENTER PROGRAM MODE.

- A. Press Switch 1 (P) and Switch 16 (P) simultaneously.

The display will show “SEL1.”

- B. Go to Step 2.

Note: To exit programming mode at this point, press Switch 9 (ENT).

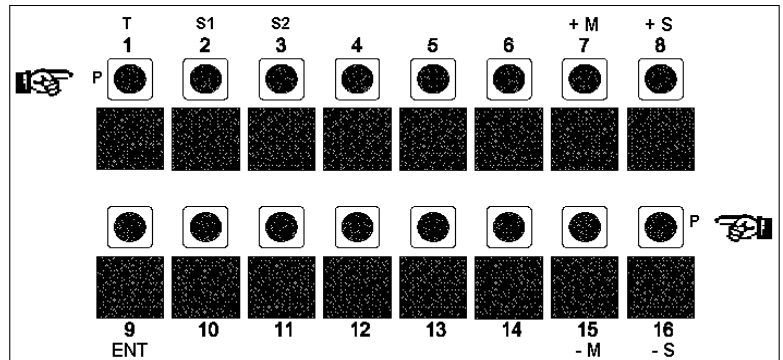


FIG. 1: ENTERING PROGRAM MODE

#### STEP 2 (See Fig. 2): SELECT ITEM TO CHANGE.

##### A. CHANGE A COOKING TIME.

Press Switch 1 (T): to change one of the cooking times.  
The display will show “ 2.”

Go to Step 3.

##### B. CHANGE #1 STIR TIME.

Press Switch 2 (S1): To change one of the stir #1 times.

The display will show “ 2.”

Go to Step 3.

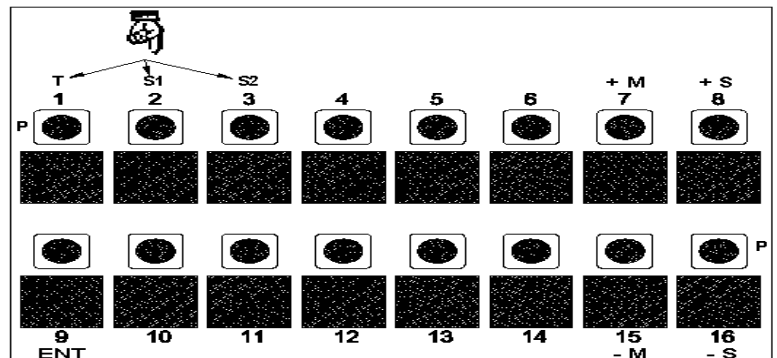


FIG. 2: SELECT: TIME, STIR 1 OR STIR 2

##### C. CHANGE #2 STIR TIME.

Press Switch 3 (S2): To change one of the stir #2 times.

The display will show “ 2.”

Go to Step 3.

#### D. CHANGE #3 STIR TIME.

Press Switch 4 (S3): To change one of the stir #3 times.

The display will show “ 3.”

Go to Step 3.

#### STEP 3 (See Fig. 3): SELECT WHICH TIMER.

- A. Press the Switch (one of the sixteen) That corresponds to the Product’s cooking time or stir time that you wish to change.

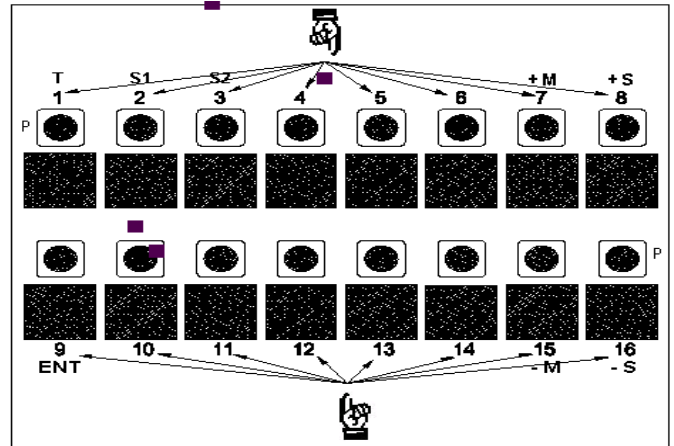


FIG. 3: SELECT THE CHANNEL TO CHANGE

- B. The time you have selected will show in the display.

- C. Go to Step 4.

#### STEP 4 (See Fig. 4): CHANGE THE TIME.

- A. Press Switch 7 (+M): To increase Minutes.
- B. Press Switch 15 (-M): To decrease Minutes.
- C. Press Switch 8 (+): To increase Seconds.
- D. Press Switch 16 (-S): To decrease Seconds.

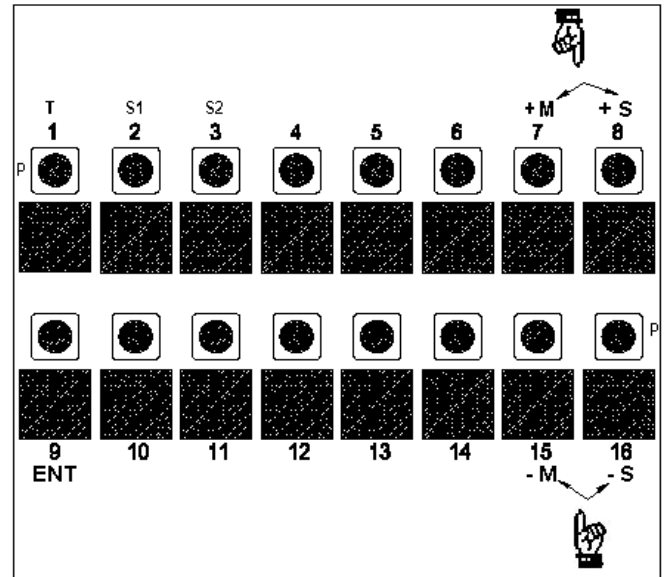


FIG. 4: MAKE THE TIME CHANGES

- E. When the desired time is showing in the display, go to Step 5.

#### STEP 5 (See Fig. 5): SAVE THE CHANGE

- A. Press Switch 9 (ENT): To ENTER that changes into memory.
- B. The display will show “SEL1,” meaning that you are starting over from Step 1.
- C. To change another time, go back to Step 1.
- D. To exit the programming mode, Press Switch 9 (ENT) a second time.

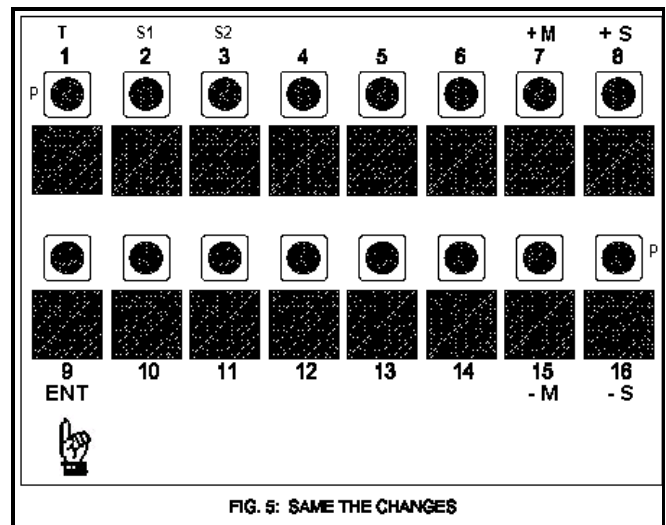


FIG. 5: SAVE THE CHANGES

## **APPLYING OR CHANGING PRODUCT LABELS.**

Follow the procedure below to place or change product labels in the correct areas.

1. Remove the timer from its mounting brackets if necessary.
2. Remove the cover by removing screws on the sides, top and back..
3. Remove the inserts by pulling the tab protruding from the left side.
4. Place the insert on the graphics overlay, **WITH ITS SHINY SIDE UP**, above or below the clear windows. Lineup the white squares on the insert with the clear areas on the overlay as a guide as to the products to be attached.
5. Place the product labels on the insert, centering them in the appropriate white areas.