# Honeywell

## UMC 800
## Operator Interface Keypad
## Replacement Instruction

### Keypad Kit (Part Number 51404493-501)

| | |
|---|---|
| **Document Number** | Form: 51-52-33-98<br>Effective: 6/98<br>Supersedes: None |

**Summary**

Enclosed is a new keypad for the Operator Interface (OI) of your UMC 800 Controller. Use the following procedure to replace it.

**WARNING**  Never access components inside the operator interface with power applied.

**CAUTION**  This equipment contains devices that can be damaged by electrostatic discharge. It is imperative that assemblies containing static-sensitive devices be carried in conductive plastic bags. When adjusting or performing any work on such assemblies, grounded work stations and wrist straps must be used.

**Tools Needed**

You will need a small Phillips-head screwdriver and a thin blade to perform this procedure.

**Component Location**

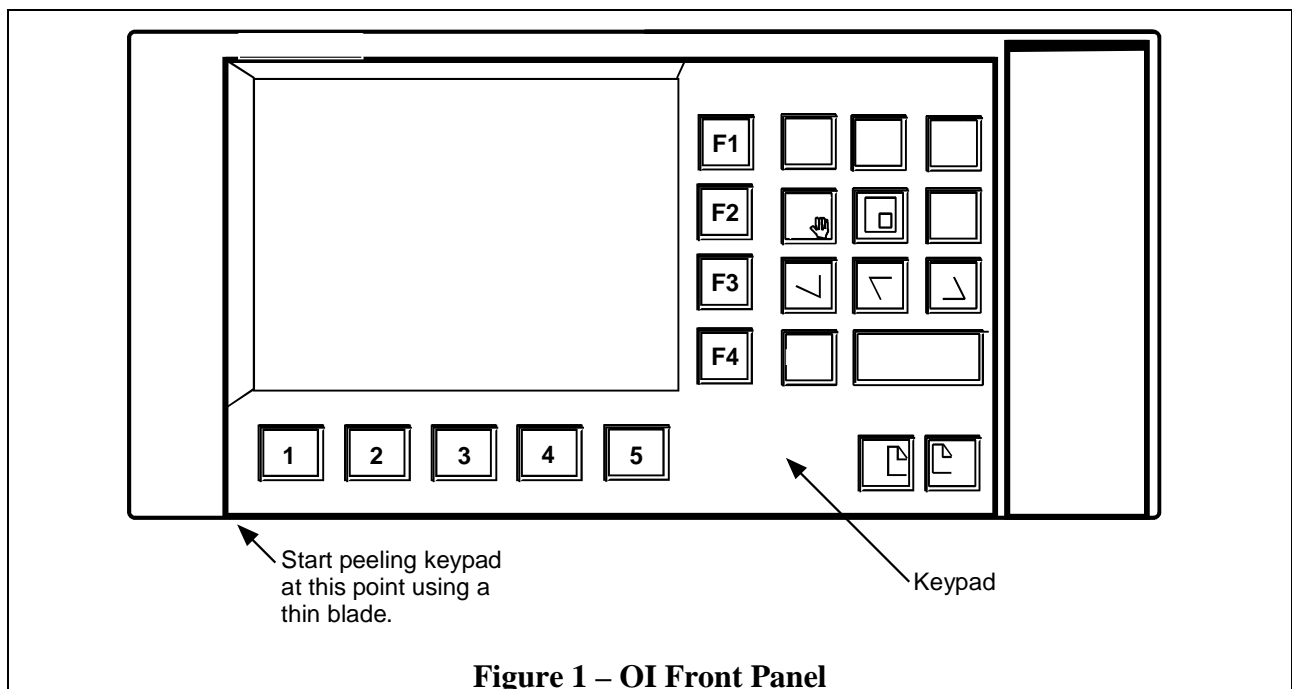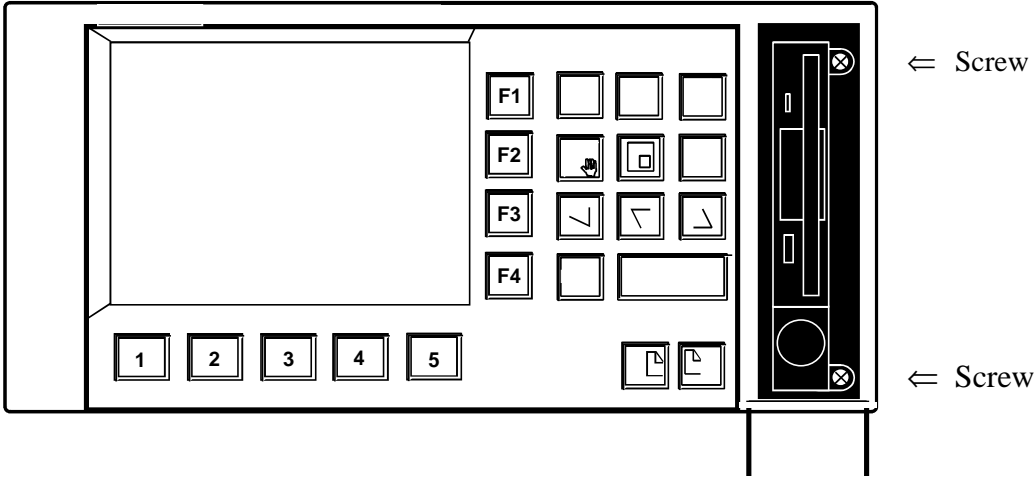Refer to Figure 1 for the location of the keypad and Table 1 for the replacement procedure.



Start peeling keypad at this point using a thin blade.

Keypad

**Figure 1 – OI Front Panel**

Kit Instruction, continued

**Replacement Procedure**     Follow the procedure in Table 1 to replace the keypad on the operator interface.

## Table 1 – Keypad Replacement (Refer to Figure 1.)

| Step | Action |
|:---:|---|
| 1 | Open the door on the righthand side of the OI unit.  If OI is equipped with a disk drive, press the button on the front to eject the diskette from the disk drive. |
| 2 | Remove power from the operator interface by removing the cable from the back of the unit. |
| 3 | Remove the front cover by removing two screws at the right, next to the disk drive. See figure.<br><br> |
| 4 | Angle the right side of the front panel away from the unit and release it from the hinge at the left. |
| 5 | Unplug the following cables from connectors on the CPU board and remove the front panel. See Figure 2.<br><br>    a)  OI display cable from J1.<br><br>    b)  Keypad cable from J2.<br><br>    c)  Twisted pair cable from J9. |
| 6 | On the front side of the panel, start at the lower left-hand corner of the keypad and carefully peel the keypad away from the front panel housing.  Remove the old keypad from the housing. |
| 7 | Remove any inserts that contain custom printed labels from the old keypad and insert them in the replacement keypad. |
| 8 | Use a solvent to remove any excess adhesive from the front panel housing. |

**Table 1 – Keypad Replacement. (Refer to Figure 1.), continued**

| Step | Action |
|:---:|:---|
| 9 | Peel off the protective paper to expose the adhesive backing of the new keypad. |
| 10 | Feed the cable of the replacement keypad through the slot in the front panel housing. |
| 11 | Position the keypad so that it fits into the cutout on the front panel and that the tabs of the label inserts go through the slots of the panel.  Press the keypad in place. |
| 12 | Plug in the cables from the front panel to the following connectors on the CPU board:<br><br>  a)  Twisted pair cable to J9.<br><br>  b)  Flat ribbon cable to J2.<br><br>  c)  Gray ribbon cable to J1. |
| 13 | Reattach the front panel to the OI housing by hooking the tabs on the left side of the front panel and securing it on the right side with two screws. |
| 14 | Plug in the DISPLAY cable from the controller into the OI connector at the rear of the housing. |
| 15 | Power up the controller.<br><br>Look for start up screen.<br><br>Access the SELF-TESTS* screen under the Unit Menu.<br><br>Perform the KEYBOARD TEST  and DISPLAY TEST to verify OI operation. |

\*  See *UMC 800 Operator Interface User Guide*, Document Number 51-52-25-62 for
    more information on OI self tests and OI operation.



**Figure 2 – Keypad Cable Location**