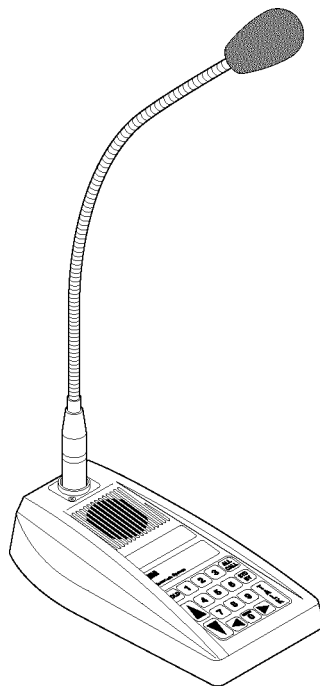


3M

Intercom System

Model D-2475

Operating Instructions



SP-409A

FCC Information

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

- This device must not cause harmful interference.
- This device must accept any interference received including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Trademarks**Safety Guidelines****Warranty Information****3M Information**

Call 800-328-0033.

Table of Contents

System Description.....	1
Introduction.....	1
Modes of Operation.....	1
Hold Feature.....	1
Operating Controls.....	2
Multiple Selectors.....	2
Using the D-2475	3
Setting Volume.....	3
One Call Station Calling Selector	3
More Than One Call Station Calling Selector	4
Using the Hold Feature	4
Calling From Selector to Call Station	5
• Select A Specific Call Station	5
• Use Directory Assistance	6
All Call Mode.....	6
Off Line Mode.....	7
Error Messages.....	7

System Description

Introduction

The D-2475 Intercom System provides two-way audio communications between a central station (called a Selector) and several remote Call Stations. It is intended for use in service stations, convenience stores, and other applications.

Modes of Operation

```

:           :SBY
_:
```

```

:           :LIS
S=01: PUMP # 01
```

```

:           :TLK
S=01: PUMP # 01
```

```

:           :TLK
A L L C A L L
```

```

* OFF LINE *
UP ARROW To Exit
```

The system has five modes of operation described below.

Standby Mode The system is in this mode when SBY is displayed. The Standby mode occurs when no station is connected, no key is pressed, and the Selector is not in Off Line mode.

Listen Mode The system is in this mode when LIS is displayed. The Listen mode occurs when a station is connected and the Talk key is not pressed. Inbound audio is emitted from the Selector.

Talk Mode The system is in this mode when TLK is displayed. The Talk mode occurs when a station is connected and the Talk key is pressed. Audio received at the Selector microphone is transmitted.

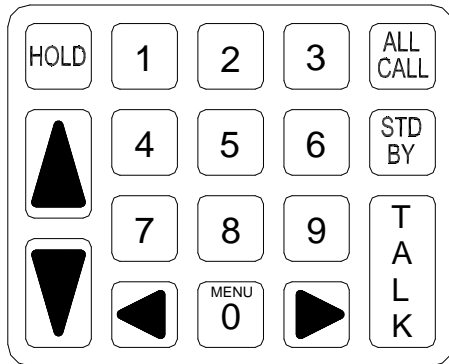
All Call Mode The system is in this mode when ALL CALL is displayed. The All Call mode occurs when the ALL CALL key is pressed. The All Call mode allows the Selector to simultaneously connect to all Call Stations.

Off Line Mode The system is in this mode when OFF LINE is displayed. In this mode, the Selector is powered on, but is silent.

Hold Feature

The Hold feature allows an attendant to momentarily disconnect from a call, greet a newer call, and return to the previous call.

Operating Controls



SP-389C

Operating controls are described below.

- TALK** Controls talk/listen communications. User presses TALK button to cancel the alert tone and to transmit outbound audio.
- STD BY** Controls station connection. User presses STD BY (Standby) button to cancel a Call Station or Selector connection.
- ALL CALL** Allows outbound audio connection to all Call Stations simultaneously.
- HOLD** Allows disconnection from a current call with the ability to return to that call later.
- MENU/0** Allows Call Station selection through use of the Left/Right arrows.
- Up/Down Arrows** Adjust Station Selector volume.
- Left/Right Arrows** Control Call Station selection. User scrolls through available Call Stations by name.

Multiple Selectors

When two or more Selectors are connected, using one Selector locks out all other Selector(s) on the same audio channel. Pressing the TALK key on a locked out Selector results in a busy tone being emitted.

Using the D-2475

Setting Volume

Pressing the Up/Down arrows adjusts the Selector volume through 15 levels. The new level is momentarily displayed each time an Up/Down arrow key is pressed. On line default level is 8.

One Call Station Calling Selector

```
Q=01:           :SBY
S=04: PUMP # 04
```

```
           :TLK
S=04: PUMP # 04
```

```
           :TLK
S=04: PUMP # 04
```

```
           :LIS
S=04: PUMP # 04
```

```
           :SBY
_:
```

1. Customer presses Push for Service button.

Selector beeps and display shows:

- Q=01 indicating there is one call in the queue waiting to be answered.
- Call Station number and name (station 4 in this example).

2. Attendant:

- a. Holds TALK key down.
- b. Speaks into microphone.

Selector stops beeping. Display:

- Clears Q=01 indicating there are no more calls in the queue.
- Replaces SBY with TLK.

3. Attendant and customer talk back and forth. Attendant:

- a. Holds TALK key down while speaking.

Display shows TLK.

- b. Releases Talk key while listening.

Display replaces TLK with LIS.

4. When finished, attendant presses STD BY key.

The display shows SBY.

More Than One Call Station Calling Selector

Up to 16 Call Stations can call the Selector. The system stores the calls in a queue (list) in the order received. Q in the display shows the number of calls in the queue. If in Standby mode, the Selector beeps to indicate a call or calls are in the queue.

To answer:

1. Press TALK key.

Q decreases by 1 and the first Call Station number and name in the queue is displayed (customer waiting the longest is answered).

Illustration shows Call Station 7 connected with 2 calls in the queue.

```
Q=02:           :TLK
S=07: PUMP # 07
```

2. Proceed as described under Steps 3 through 4 under the previous section *One Call Station Calling Selector*.
3. Repeat Steps 1 and 2 above to answer next call.

It is possible to place a current call on hold and connect to a different call. See *Using the Hold Feature*.

Using the Hold Feature

The Hold feature allows an attendant to disconnect from a current call and connect to a new call without losing the first call. This is useful for disconnecting from a current call, momentarily greeting a newer call, then returning to the first call. More than one call can be placed on hold.

Assume a current connection to Call Station 12, and a second station attempting to call.

The display shows Q=01, LIS, and the current Call Station number and name.

```
Q=01:           :LIS
S=12: PUMP # 12
```

To use the Hold feature:

1. Press the HOLD key during the current call connection.

The display shows HOLD = 01 (if no other calls are on hold) and SBY.

The current call is placed on hold and the Selector beeps.

2. Press the TALK key to answer the second call (from Call Station 8 in this example).

The display:

- Clears Q=01.
- Shows the new station number and name and TLK.

3. Press the HOLD key to place the second call on hold.

The display shows HOLD = 02 and SBY. Both calls are now on hold.

```
Q=01: HOLD=01 :SBY
_:Press 'TALK'
```

```
:HOLD=01 :TLK
S=08: PUMP # 08
```

```
: HOLD=02 :SBY
_:Press 'HOLD'
```



```

: HOLD=01 : LIS
S=12: PUMP # 12

```

```

: HOLD=01 : SBY
_:Press 'HOLD'

```

```

: : LIS
S=08: PUMP # 08

```

4. Press the HOLD key again.

The display shows HOLD = 01 and LIS. The second call is still on hold and the Selector is connected to the first caller.

5. Press and release the TALK key to converse with the first caller.

6. Press the STD BY key when finished.

The display shows HOLD = 01 and SBY and the Selector beeps.

7. Press HOLD.

The display shows the second station number and LIS.

8. Press and release the TALK key to converse with the second caller.

9. Press the STD BY key when finished.

Calling From Selector to Call Station

There are three ways to call from the Selector to a Call Station:

- Select a specific Call Station.
- Use directory assistance.
- Use All Call Mode. See *All Call Mode*.

Select A Specific Call Station

System must be in Standby mode. To select a specific Call Station:

1. Press the key associated with the Call Station being called (Call Stations 1 through 9 are entered as one digit).

Display shows the Call Station number and name.

2. Proceed as described under Steps 2 through 4 under the previous section *One Call Station Calling Selector*.

Use Directory Assistance

Directory assistance allows searching for a Call Station by name. The system must be in the Standby mode. To use directory assistance:

1. From the Standby mode, press the MENU/0 key.
The display shows S = 01 and the station 1 name.
2. Do one of the following:
 - Use the Left/Right Arrow keys to find the desired Call Station.
 - Select a Call Station as a starting point:
 - Press a key to select a starting point.
 - Use the Left/Right Arrow keys to find the desired Call Station.
3. Proceed as described under Steps 2 through 4 under the previous section *One Call Station Calling Selector*.

All Call Mode

: A L L C A L L	:TLK
--------------------	------

The All Call mode allows the attendant to speak to all Call Stations at once. All Call mode can be entered from Standby mode or while a call is established. To use All Call mode:

1. Hold the ALL CALL key down.
The display shows ALL CALL and TLK.
2. Talk into the microphone.
3. Release the ALL CALL key.

The system goes to the Standby mode or to the previous call connection.

Off Line Mode

* OFF LINE *
UP ARROW To Exit

The Off Line mode is the equivalent of the Selector being turned off. In the Off Line mode, the Selector does not respond to call requests (does not beep).

The Selector can be put in Off line mode from Standby mode. To do this, repeatedly press the down arrow key to reach minimum level. The display shows OFF LINE.

To exit Off Line mode and enter Standby mode, press the up arrow key once. Audio level is set to the mid level of 8.

Error Messages

! E R R O R !
NO COMMUNICATION

The system displays one error message: NO COMMUNICATION.

If this message occurs, call your 3M authorized dealer or call 3M Technical Support at 800-328-0033.

3M Food Services Trade Department

3M Center
St. Paul, MN 55144-1000

Printed on recycled paper.

Printed in U.S.A.
© 3M 2001 January
78-6912-0724-1 Rev.C