

MODEL 855
SERVICE MODULE USER'S MANUAL

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Sample

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Digital **M**onitoring **P**roducts

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MODEL 855 SERVICE MODULE USER'S MANUAL

For use with DMP Series 1712 and 1812 Controls

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1.1 Description

The Model 855 Service Module is used to perform system service and testing on DMP 1712 and 1812 controls. System service information including service person, length of service call, equipment serviced, loop number and cause of service can be transmitted to the central station. Also a message can be sent by the central station for automatic display when the service person arrives at the installation and begins the service test.

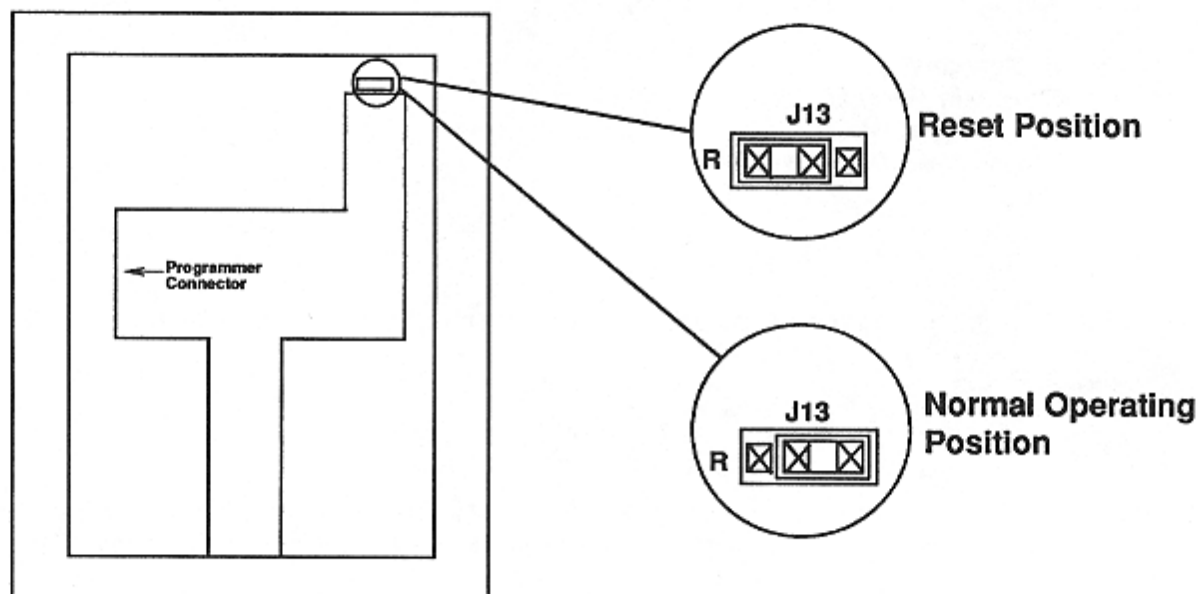
The system test function will place selected loops in a test mode for local annunciation. The number of trips per test and a list of failed loops can be displayed. A pulse of the local bell and automatic smoke detector reset are included in the test. The remainder of the system which is not in test mode remains completely operational.

1.2 Service Module

The reset jumper (J13) should be placed in the R (reset) position on the Series 1712 or 1812 COMMAND PROCESSOR. The Model 855 Service Module should then be installed on the PROGRAMMER CONNECTOR.

DO NOT PLUG THE 855 SERVICE MODULE ONTO THE COMMUNICATION MODULE CONNECTOR!

DAMAGE WILL RESULT!



After the module is installed move J13 to the right hand position to return the system to normal operation. The service operations can be done from any SECURITY COMMAND address. To remove the service module, first place J13 in the reset position, then remove the service module. Always place J13 in the reset position when installing or removing the service module.

1.3 Service Module Operation

When the service module is installed the service functions can be accessed from any Security Command address. Simply press S E R V I (Keys, 7, 2, 6, 8, 3) when the display is in the status list mode or blank. DO NOT press COMMAND after S E R V I is entered, the service mode will begin automatically.

The service module will operate on any Model 1712 or 1812 control panel. The service functions will operate on a control panel with any firmware level. The test functions will operate only on control panels which contain firmware level 1812/302 or higher.

The Model SCS-1 Central Station Receiver must have level ⁷⁰⁴610 firmware or higher to receive the Model 855 signals. The SIMS automation software at the central station must be version ^{3.12}3.10 or higher. The specific service and test functions are outlined below:

Service Start
Service Person Number

Service Test
Loop Numbers To Be Tested
Display of Number of Loop Trips
Display of Failed Loops

Equipment Serviced
Equipment Serviced Code
Description of Service Performed
Loop Number Serviced
Customer Caused, No or Yes

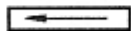
Service Stop

The detailed instructions for each service procedure is contained in sections 2 through 4 of this manual.

1.4 Special Keys

COMMAND

The COMMAND key is used to step through each service entry, just as in programming. Think of it as an enter key on a computer and press it when you have entered information on the keypad and you are ready for the SECURITY COMMAND to take it.



The back arrow key is used for "backing up". It can be pressed to back up one step within the service options. The back arrow key is also used when an error is made while entering information. Press the back arrow and each character that you have entered will be erased one at a time.



The top row of keys are called the select keys. Each time a select key is to be used its function will be labeled on the display above it. By labeling each key with the display they can be used for many different applications such as answering Yes or No.

2.1 Description

The service start/stop function allows for entry of a service person code, logging of start time and selection of test mode. After the service module is installed press S E R V I (Keys 7, 2, 6, 8, 3) on any SECURITY COMMAND keypad while the display is in the status list or blank mode. The keypad may display a message sent to the service person by the central station. This message is displayed once and then deleted. After any message the display will read:

2.2 [START EQUIP STOP]

*and confirmation of trans-
mission*

SERVICE EQUIPMENT START OR STOP - When START is selected the service person code will be requested in section 2.3. When STOP is selected a stop message will be sent to the central station. STOP should only be selected after Equipment Serviced has been completed in section 3.

2.3 [PERSON:

] **SERVICE PERSON** - Up to five digits may be entered to identify the service person making the service call. The code will be transmitted to the central station and printed on the local printer.

The Service Start selection should be made when the service call begins. This will allow for an accurate accounting of total minutes required for the service call. After the person code is entered, the service test mode can be selected.

2.4 [TEST? NO YES]

BEGIN SERVICE TEST? - When NO is selected the service start function is completed and the display will return to normal operation. When YES is selected the service test mode is started as described in section 3.

It should be noted that the start function simply provides a logging of service person code and time to the central station receiver and local printer. No internal record is maintained in the control panel. Multiple starts could be entered without any stops and no cross checking with valid service numbers or schedules is made by the control panel.

[MESSAGE SENT]

MESSAGE SENT will be displayed if the start message is successfully transmitted.

[TRANSMIT FAIL]

TRANSMIT FAIL will be displayed if the start message cannot be transmitted.

3.1 Description

Service Test is used to test individual loops on the system. The specific loops to be tested can be entered. Although the test is designed for fire and supervisory type loops it will function on all types. After each valid loop trip the bell will pulse and a smoke detector reset will be done. Press *SERVI* (Keys 7, 2, 6, 8, 3) on any SECURITY COMMAND keypad while the display is in the status mode. If YES is selected in answer to the TEST? question in section 2.4 the display will read: *dist or blank mode. The display will read:*

3.2 [LOOP:?? BEGIN] **LOOPS TO TEST** - The specific loop numbers to be tested should be entered. After all loop numbers are entered press begin to start the test. If begin is not pressed the display will time out and no loops will be placed in the test mode. *will read:*

[BEGIN TEST] Begin test will be displayed when BEGIN is pressed in section 3.2.

3.3 [TRIPS: 0 END] **NUMBER OF TRIPS** - This display will remain on throughout the service test. Each time a loop is tripped the counter will increment. The counter is a total for all loops. Restorals are not counted. Press END to stop the service test.

During the service test the bell output will pulse for one second on each loop violation. This will be followed by a smoke detector output reset (Terminal 6). Verification will be made that each loop selected for testing tripped at least once. When "END" is selected the display will read:

3.4 [TEST END] This will be followed by a display of any loops which were selected for test but did not trip during the test period, "LOOP NAME-FAIL". The beginning and ending of the test and all loops which were tested will be logged at the central station and printed on the local printer.

[STRT EQ TST STOP] SERVICE TEST - Select TST to enter the service test function.

4.1 Description

After the service has been completed, the equipment serviced function should be selected. This must be done before the stop function is selected in section 2.2. This will allow for listing of the equipment which was serviced. Press S E R V I (Keys 7, 2, 6, 8, 3) on any SECURITY COMMAND keypad while the display is in the status list or blank mode. The display will read:

4.2 [START ^{TST} EQ~~IP~~ STOP] ~~SERVICE EQUIPMENT START OR STOP~~ EQUIPMENT SERVICED - Select EQ~~IP~~ to begin entry of the equipment serviced.

4.3 [EQPT CODE:????] EQUIPMENT CODE - Up to five digits may be entered to identify the piece of equipment which was serviced.

After the equipment code is entered, the specific repair which was made, loop number and customer caused, can be indicated.

4.4 [RPR RPLC ADD RMV] REPAIRED, REPLACED, ADDED, REMOVED
[ADJ TST] ADJUSTED, TESTED - Select the appropriate repair by pressing the top row key beneath the description.

4.5 [LOOP NO: ????] LOOP NUMBER - The loop number which was serviced should be entered.

4.6 [CUST ERR? NO YES] CUSTOMER ERROR - If the service was customer caused enter YES, if it was not, enter NO. The response will be logged on the service report.

After the customer error selection the display will return to section 4.3 for the next equipment code. If no more equipment entries are made, the display will time out automatically and return to normal operation.

NEW PAGE

5 - SERVICE STOP

855 SERVICE MODULE

5.1

5.1 Description

When all service equipment codes and/or loop testing is completed the STOP selection should be made. A service stop message will be transmitted and confirmation that all service information has been transmitted successfully will be displayed. Press S E R V I (Keys 7, 2, 6, 8, 3) on any SECURITY COMMAND keypad while the display is in the status list or blank mode. The display will read:

5.2 [STRT EQ TST STOP] SERVICE STOP - Select STOP to end a service call and transmit a service stop message to the central station.

After STOP is selected "TRANSMIT FAIL" may be displayed. This indicates that a previous service message has failed to transmit to the central station receiver. ONE MOMENT . . . will then be displayed while the stop message is transmitted.

[MESSAGE SENT] MESSAGE SENT will be displayed if the stop message is successfully transmitted.

[TRANSMIT FAIL] TRANSMIT FAIL will be displayed if the stop message cannot be transmitted.