MODEL 854A

PROGRAMMING MANUAL SUPPLEMENT

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For use with DMP Series 1712 and 1812 Controls

IMPORTANT

When using the Series 1812 control for any UL, NFPA, CFM
or other listing organization's approved methods, see the
UL Application Document provided with each 1812 control.
This document outlines the installation and programming
requirements for all applications for which the 1812 is
approved.

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<1.1>

This supplement is a programming guide for the Model 1712 and 1812 Command Processor controls. For technical specifications see the installation guide provided with each control.

The Model 854A Programmer is used to enter system information into the DMP Series 1712 and 1812 COMMAND PROCESSORS. The 854A should not be used on any other COMMAND PROCESSOR series. The Model 854A provides all of the programming functions of the Model 854 with the following advanced loader additions:

            Load Into Panel   Section 2
            Save Into 854A   Section 3
            Compute Checksum   Section 4

This manual provides programming instructions for the three loader sections but does not include instructions for the standard programming sections of the 854. The 854 programming manual should be studied for complete installation and operating procedures for the 854A programmer.

<1.2>
PROGRAMMER OPERATION
When the Model 854A programmer is installed and running SECURITY COMMAND address number 1 will display:

                        [854A PROGRAMMER]

By pressing the COMMAND key the display will begin stepping through the programming menu. There are thirteen programming sections that you will be selecting from. They are:

                                    Section
                Initialization
                Communication
                System Reports
                System Options
                Output Options
                Menu Display
                Status List
                Area Information
                Loop Information
                Load Into Panel   2   854A only
                Save Into 854A   3   854A only
                Compute Checksum   4   854A only
                Stop

To select a section for programming you should press any one of the top row (select) keys when the name of that section is displayed. When programming of a section is complete the display will return to the "854A PROGRAMMER" display and allow you to select the next section for programming. The detailed instructions for the three loader programming steps are contained in sections 2 through 4 of this supplement.

<2.1>

Load Into Panel allows you to load a preprogrammed set of Command Processor op-
tions from the Model 854A programmer into the memory of a Command Processor. The
memory that is loaded includes all of the 854 programming options, all of the
user programmable information, (schedules and codes) and the status of each
loop. There is room in the 854A programmer to store the memory for two Command
Processors. They are called memory A and memory B in the 854A programmer.

After you select the Load Into Panel option you will be asked if you want to
load the options stored in memory A or memory B of the 854A. After the memory
is loaded the 854A will display the checksum of the memory of the Command Pro-
cessor to confirm that the memory has loaded properly.

A description of each selection follows:

<2.2>

[A   B   STOP]   LOAD A, B OR STOP - When A or B is selected the memory in
                         that portion of the 854A will be loaded into the Command
                         Processor. The loading time takes approximately 1/2 second.
                         After loading the checksum of the Command Processor memory
                         will be displayed. When STOP is selected the load option
                         will terminate.

<2.3>

[CHECKSUM: XXXX]   MEMORY CHECKSUM - The checksum displayed is a calculation of
                         all of the data in the Command Processor memory. If any
                         part of the memory changes this checksum will change. The 4
                         digit checksum can be compared to the checksum of the 854A
                         to make sure that the memory loaded properly. When the
                         checksum is displayed press COMMAND to exit the Load Into
                         Panel option.

<4.1>

Compute Checksum allows you to see the checksum of the memory A or B locations
of the 854A or the memory of the Command Processor.   The memory that is calcu-
lated includes all of the 854 programming options, all of the user programmable
information, (schedules and codes) and the status of each loop. It is important
to note that since the status, (open, normal, short) of all of the loops is
stored in memory a change in loop status will cause a change in the checksum of
the Command Processor. This will not affect the checksum that is displayed while
the 854A remains installed since the Command Processor will not begin to update
the loop status until the 854A is removed and the Command Processor is reset.

After you select the Compute Checksum option you will be asked if you want to
compute the checksum for the A or B memory locations in the 854A or the memory
in the Command Processor.

A description of each selection follows:

<4.2>

[A   B PNL STOP]   CHECKSUM FOR A, B, PANEL OR STOP - When A or B is selected
                     the checksum for the A or B memory location in the 854A is
                     computed. When PNL is selected the checksum for the Command
                     Processor is computed. When STOP is selected the compute
                     checksum option will terminate.

<4.3>

[CHECKSUM: XXXX]   MEMORY CHECKSUM - The checksum displayed is a calculation of
                     all of the data in the selected memory location.   If any
                     part of the memory changes this checksum will change.   When
                     the checksum is displayed press COMMAND to exit the Compute
                     Checksum option.

<3.1>
Save Into 854A allows you to save the memory of a Command Processor into the
854A programmer. The memory that is saved includes all of the 854 programming
options, all of the user programmable information, (schedules and codes) and the
status of each loop. There is room in the 854A programmer to store the memory
for two Command Processors. They are called memory A and memory B in the 854A
programmer.

After you select the Save Into 854A option you will be asked if you want to save
the memory of the Command Processor into memory A or memory B of the 854A. Af-
ter the memory is saved the 854A will display the checksum of the memory that
was saved to confirm that it was saved properly.

A description of each selection follows:

<3.2>
[A   B   STOP]   SAVE A, B OR STOP - When A or B is selected the memory of
                        the Command Processor is saved into that portion of the
                        854A. It takes approximately 15 seconds to save the memory
                        to the 854A. After saving, the checksum of the 854A will be
                        displayed. When STOP is selected the load option will ter-
                        minate.
<3.3>
[ONE MOMENT.....]   ONE MOMENT - This message is displayed while the memory is
                        being saved into the 854A. It takes 15 seconds to save the
                        memory.
<3.4>
[CHECKSUM: XXXX]   MEMORY CHECKSUM - The checksum displayed is a calculation of
                        all of the data in the 854A memory location. If any part of
                        the memory changes this checksum will change. The 4 digit
                        checksum can be compared to the checksum of the Command Pro-
                        cessor to make sure that the memory was saved properly. When
                        the checksum is displayed press COMMAND to exit the Save
                        Into 854A option.