

Database Upload Procedure Bailey Command Series Instruments



MicroMod Automation, Inc.

The Company

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We are committed to teamwork, high quality manufacturing, advanced technology and unrivaled service and support.

The quality, accuracy and performance of the Company's products result from over 100 years experience, combined with a continuous program of innovative design and development to incorporate the latest technology.

Use of Instructions

⚠ Warning. An instruction that draws attention to the risk of injury or death.

📎 Note. Clarification of an instruction or additional information.

⚡ Caution. An instruction that draws attention to the risk of the product, process or surroundings.

i Information. Further reference for more detailed information or technical details.

Although **Warning** hazards are related to personal injury, and **Caution** hazards are associated with equipment or property damage, it must be understood that operation of damaged equipment could, under certain operational conditions, result in degraded process system performance leading to personal injury or death. Therefore, comply fully with all **Warning** and **Caution** notices.

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Health and Safety

To ensure that our products are safe and without risk to health, the following points must be noted:

The relevant sections of these instructions must be read carefully before proceeding.

1. Warning Labels on containers and packages must be observed.
2. Installation, operation, maintenance and servicing must only be carried out by suitably trained personnel and in accordance with the information given or injury or death could result.
3. Normal safety procedures must be taken to avoid the possibility of an accident occurring when operating in conditions of high pressure and/or temperature.
4. Chemicals must be stored away from heat, protected from temperature extremes and powders kept dry. Normal safe handling procedures must be used.
6. When disposing of chemicals, ensure that no two chemicals are mixed.

Safety advice concerning the use of the equipment described in this manual may be obtained from the Company address on the back cover, together with servicing and spares information.

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1 INTRODUCTION

This guide provides instructions for extracting the configuration program from a Bailey Command Series device using the CTT02 handheld terminal unit, and storing the program on a Memory Cartridge.

These instructions apply to the following devices:

CLC02, CLC03, CLC04 Loop Command controllers
SLC01, SLC02 Loop Command controllers
CBC01 Batch Command controller
CSC01 Sequence Command controller

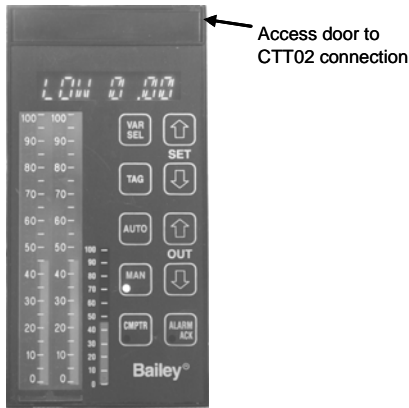
The following equipment is required to extract the configuration program from the Command Series device:

CTT02 Handheld Terminal Unit
6637531A1 Blank Memory Cartridge

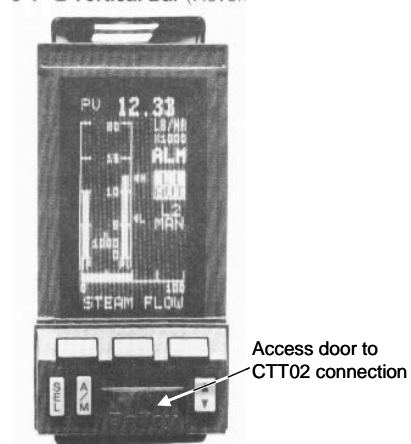
2 EQUIPMENT DESCRIPTION

This instruction bulletin covers the Command Series devices shown in the following diagrams.

CLC Loop Command controller



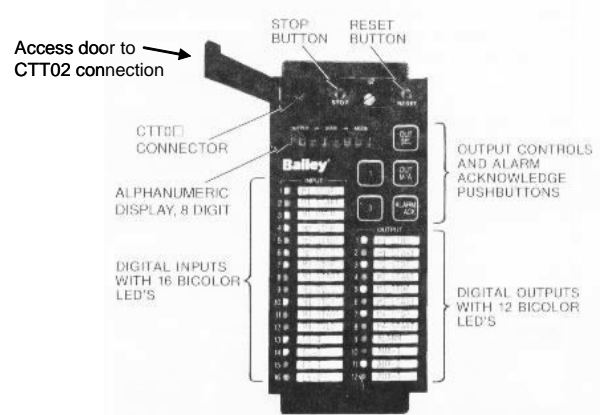
SLC Loop Command Controller



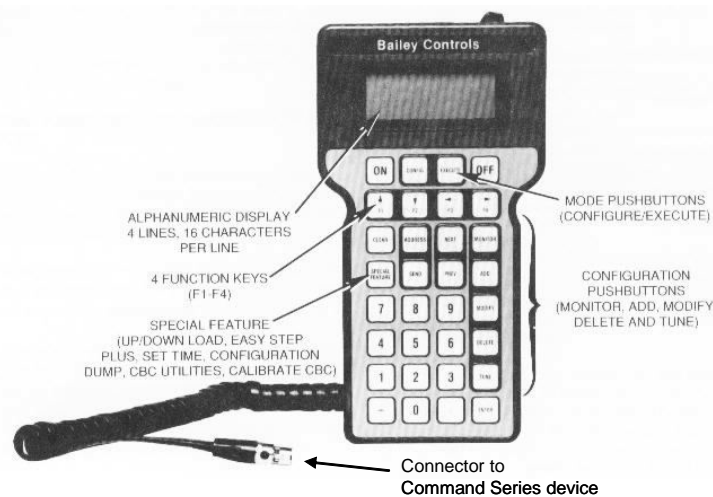
CBC01 Batch Command Controller



CSC01 Sequence Command Controller



CTT02 Handheld Terminal Unit



3 SETUP

Install the Memory Cartridge

Grasp the cartridge between your thumb and forefinger and insert into the opening in the bottom of the CTT02 housing.

Press firmly into place to ensure good connection.

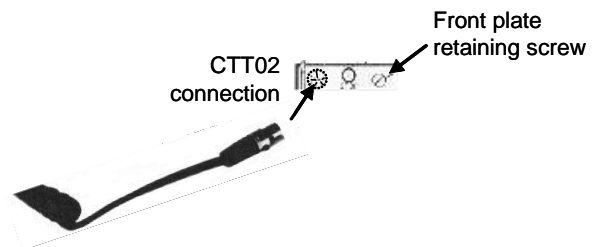


The cartridge is polarized and can only be installed one way.



Connect the CTT02

Swing open the legend/access door on the front of the Command Series faceplate and plug the CTT02 directly into the connector



The terminal display should light up and display the startup message.



The version of your unit may differ from the one shown here

CTT02 HANDHELD
REV. A_0
BAILEY CONTROLS
COMPANY

⚠ CAUTION: installation or removal of the cartridge while the CTT02 is under power may damage the cartridge and erase any stored configurations.

Select the Target Unit Address



Press the ADDRESS key on the handheld terminal

The display reads:

```
ENTER
MODULE ADDR>
```

Enter the one- or two-digit address of the target unit using the numeric keypad



Press the ENTER key

The terminal display shows the target unit address, unit type, mode, and a message line which is an error summary. For example:

```
MODULE – xx >
TYPE – LOOP CMD
MODE –
F4 – diagnostics
```



Note: if TYPE is displayed as VACANT, the address entered is not correct or the unit may be in

error state and need to be reset. Consult target unit instruction manual.

4 UPLOAD PROCEDURE

To use this feature, a configuration cartridge must be installed in the CTT02. A maximum of 32 configurations may be stored on a cartridge. An ERROR code notifies the user when the maximum memory is reached.

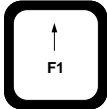
Select the UPLOAD Feature



Press the SPECIAL FEATURE key

The display shows the Special Feature menu:

- F1 – UPLOAD/DOWNLOAD
- F2 – EASY STEP PLUS
- F3 – SET TIME
- F4 – CONFIGURATION DUMP

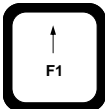


Press the F1 key

The display shows the Upload/Download menu:

- F1 – UPLOAD TO CCT
- F2 – DOWNLOAD
- F3 – DELETE ENTRY
- F4 – RE-INITIALIZE

Upload the configuration



Press the F1 key to select UPLOAD TO CCT

The display shows the following:

ID:A
^

(USE F1-F4 KEYS)

Enter a unique filename ID for the configuration. It may be up to eight characters long and may include the alpha letters A through Z and/or the numbers 0 through 9.

Use the F1 (UP) key and F2 (DOWN) key to scroll through the character set

Use the F4 key to advance to the next character.

The F3 key is used to move back and change a previously selected

character.

After selecting the complete ID,
press the ENTER key

The screen displays the following:

```
UPLOADING  
CONFIGURATION
```

This message remains on the screen the entire time the terminal is reading the configuration from the target unit. The length of time it takes to read the configuration depends on the complexity of the configuration.

When the upload is complete the
module status screen will appear

The screen will display:

```
MODULE – xx >  
TYPE – LOOP CMD  
MODE –  
F4 – diagnostics
```

5 CARTRIDGE REMOVAL

Disconnect the CTT02 handheld terminal from the target unit.

Place your thumb on the top of the cartridge and your forefinger on the bottom, and pull the cartridge straight out of the housing.

⚠ CAUTION: installation or removal of the cartridge while the CTT02 is under power may damage the cartridge and erase or corrupt any stored configurations.

APPENDIX A DETERMINING TARGET UNIT ADDRESS

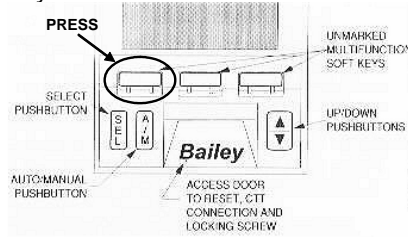
CLC Controllers

Switch S2 on the main board is used to set the module address. Positions 4 through 8 on this switch indicate the address. Refer to the table below to determine the CLC address.

SWITCH S2 POSITIONS					ADDRESS
4	5	6	7	8	
Closed	Closed	Closed	Closed	Closed	0
Closed	Closed	Closed	Closed	Open	1
Closed	Closed	Closed	Open	Closed	2
Closed	Closed	Closed	Open	Open	3
Closed	Closed	Open	Closed	Closed	4
Closed	Closed	Open	Closed	Open	5
Closed	Closed	Open	Open	Closed	6
Closed	Closed	Open	Open	Open	7
Closed	Open	Closed	Closed	Closed	8
Closed	Open	Closed	Closed	Open	9
Closed	Open	Closed	Open	Closed	10
Closed	Open	Closed	Open	Open	11
Closed	Open	Open	Closed	Closed	12
Closed	Open	Open	Closed	Open	13
Closed	Open	Open	Open	Closed	14
Closed	Open	Open	Open	Open	15
Open	Closed	Closed	Closed	Closed	16
Open	Closed	Closed	Closed	Open	17
Open	Closed	Closed	Open	Closed	18
Open	Closed	Closed	Open	Open	19
Open	Closed	Open	Closed	Closed	20
Open	Closed	Open	Closed	Open	21
Open	Closed	Open	Open	Closed	22
Open	Closed	Open	Open	Open	23
Open	Open	Closed	Closed	Closed	24
Open	Open	Closed	Closed	Open	25
Open	Open	Closed	Open	Closed	26
Open	Open	Closed	Open	Open	27
Open	Open	Open	Closed	Closed	28

SLC Controllers

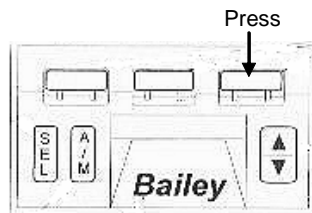
With the operating display on the screen, press the left multifunction key



The soft key indicators show

C	PREV SCRN	MAIN MENU
---	--------------	--------------

Press the MAIN MENU (right) key



The display indicates:

L1: MAN
MAIN MENU
MONITOR
ALARM SUM
BYPASS
TUNE
D.O. CTRL
AUX SWITCH
SETUP
CONFIGURE



Press the UP or DOWN arrow key to highlight SETUP



Press the SEL button

The display indicates:

L1: MAN
SETUP
LOOP1
LOOP2
MODBUS ADDR
D.O. LOCKOUT
SECURITY
DIAGNOSTICS
OPTIONS
BRIGHTNESS

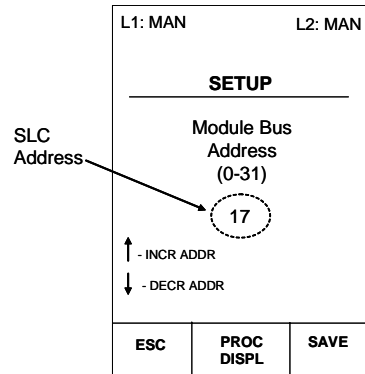


Press the UP or DOWN arrow key to highlight *MODBUS ADDR* (Module Bus address)



Press the SEL button

The following screen appears, indicating the current Module Bus address of the controller:



Make a note of the Module bus address.

Press the ESC (Left) button to escape

Press the PROC DSPL (middle) button to return to the Process Display, or the MAIN MENU (right) button to return to the Main Menu.