

CPF-88

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Notes are used to call attention to information that is significant to the understanding and operation of equipment.

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Revision: October 25, 2002 © Copyright BALOGH 2002

MANUAL REVISION HISTORY

<u>Revision Description</u>	<u>Latest Revision Date</u>	<u>Revision Number</u>	<u>Approval Date</u>
Change Address	04/15/10	2	04/15/10

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Features of the CPF-88

DESCRIPTION:

The CPF-88 is equipped with the following features:

- LCD Display
- Powered by 4 AA Batteries (Alkaline Recommended)
- Built-in Antenna
- 8 Pin Female Connector to allow programming of "OFR" Re-programmable TAGS
- Displays TAG data in Hexadecimal or Decimal Format
- Reads BALOGH "OF/OFR"
- Automatic Shut-Off after approximately 6 minutes of Inactivity

FUNCTIONS:

The CPF-88 is designed to provide 2 functions:

- To Read and Store Data from the Fixed Code "OF" and "OFR"
- To Write Data to the "OFR" Re-programmable Fixed Code TAGS

NOTE: The "OFR" Program Cable is an additional item, which must be purchased separately.



Styles of BALOGH "OF/OFR" Series Fixed Code TAGS

TYPE "OF":

The "OF" Style TAG includes 7 bytes of Read only memory. The TAGS user defined code is programmed during the manufacturing process. This TAG cannot be reprogrammed.

TYPE "OFR":

The "OFR" Style TAG is comprised of a 7 byte re-programmable EEPROM. This TAGS code can be field programmed / re-programmed by use of the CPF-88 handheld reader / programmer. A special 8-pin cable is available from BALOGH which links the "OFR" TAG to the CPF-88 handheld unit.

Messages

FUNC +/ + + + + + +

When the **F** key is pressed the word **FUNC** will appear in the display.

ERROR NUMBER

This message will appear if an incorrect number is entered on the keyboard (ie. A value > 255). All error messages can be cleared by pressing **C**.

RF TAG READING

This message appears when the CPF-88 is in the process of reading a TAG. This message will clear when the read is complete. The read is initiated by pressing the **R** key. The "RF TAG READING" message can be cleared by again pressing the **R** key.

WRITING

This message appears when writing to an "OFR" TAG. This message will clear when the WRITE operation is complete.

WRITING ERROR

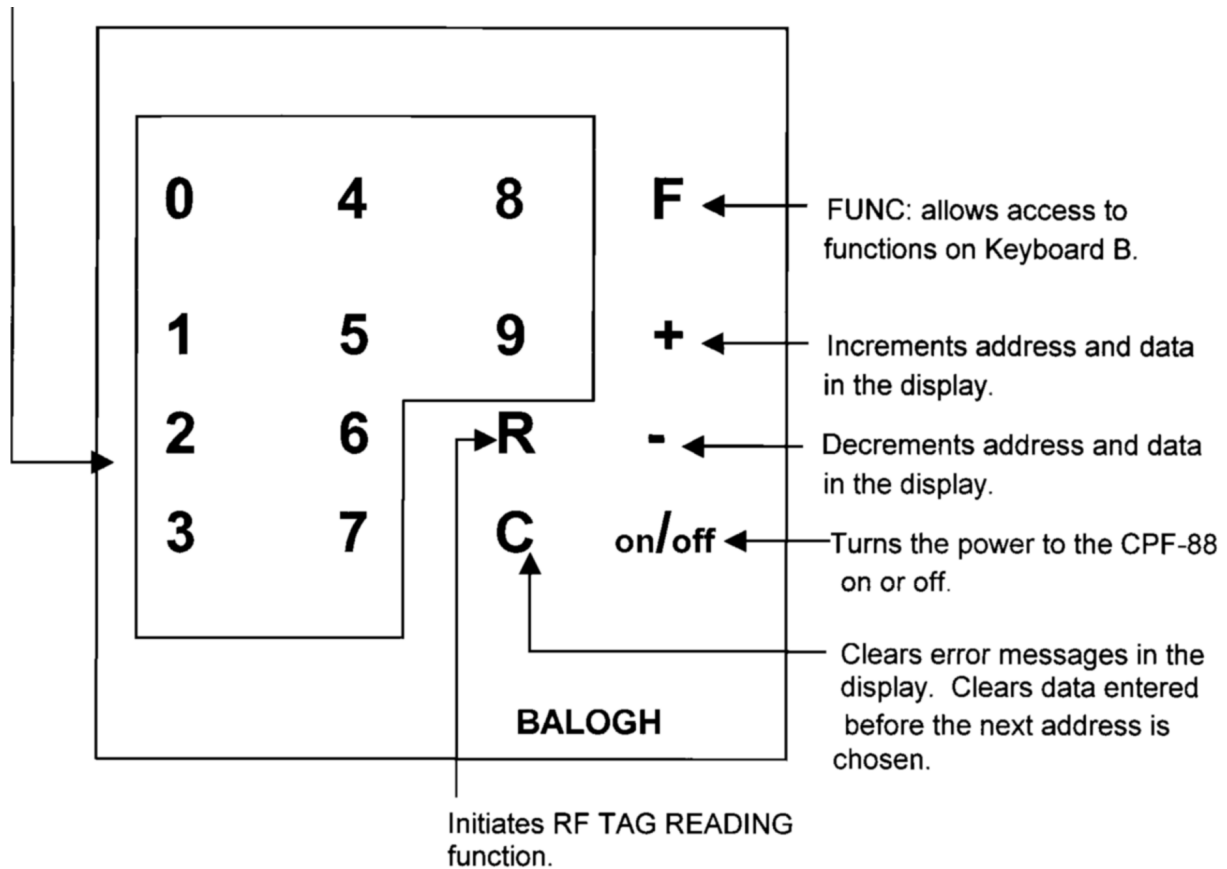
This message appears when an error occurs while writing to an "OFR" TAG. The error may be due to a loose connection between the OFR TAG and the CPF-88, or the wrong size TAG memory being programmed.

Display Description

	<u>BYTE</u>	<u>0/6</u>	<u>FF</u>	<u>HEX</u>
Address of the current byte being Displayed. This value will range for 0 thru 6 for an "OF" series TAG				
Indicates the memory size of the TAG being operated upon: 6 = 7 byte "OF" Series TAG				
Data value of address Indicated in the display				
Display mode for data presented: HEX = Hexadecimal DEC = Decimal				

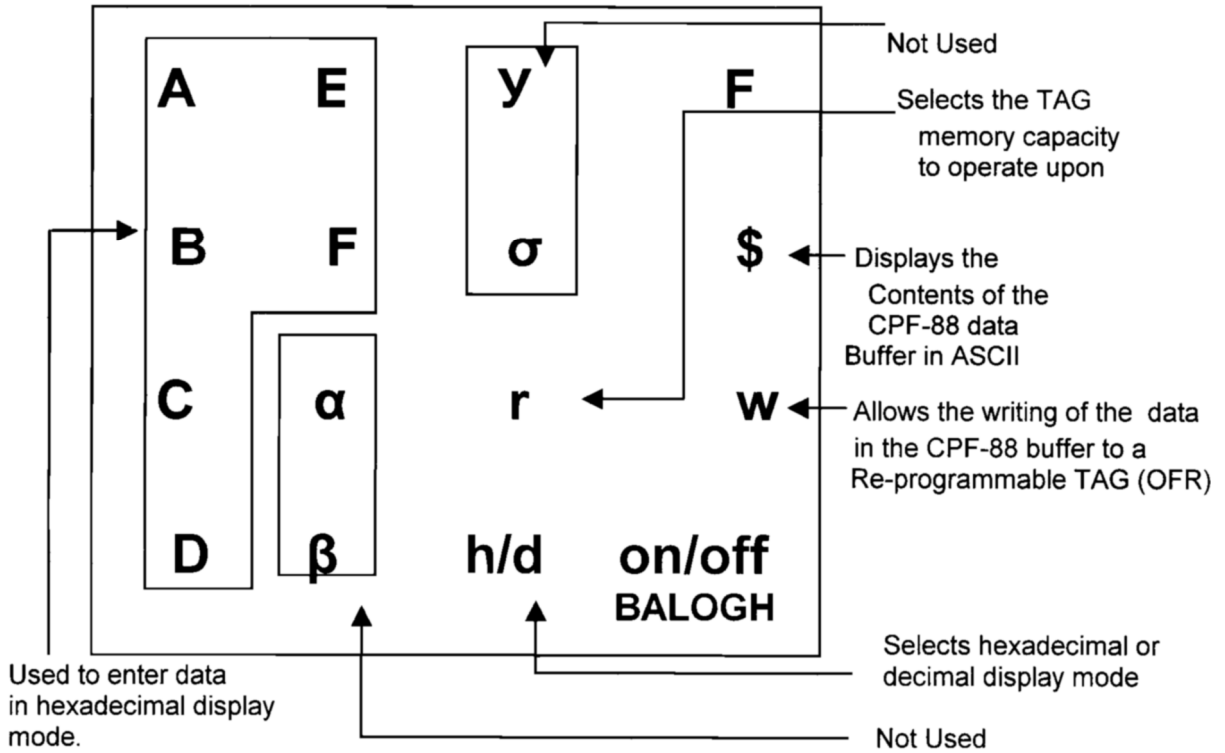
Keyboard Functions

Keyboard A



Keyboard B

* All Keyboard B Functions are accessible by first pressing the **F** key.



Functions

RANGE: The RANGE Function selects the TAG memory size to be operated upon (7 Bytes = "OF" Series TAG).

DISPLAY

ACTION:	ON/OFF →	(BYTE 0/6 00 HEX)	The CPF-88 is always in the 7-Byte "OF" Series TAG mode when power is applied.
ACTION:	F →	(FUNC 0/6 00 HEX)	Access the secondary function menu of the CPF-88.
ACTION:	r →	(BYTE 0/6 00 HEX)	7-Byte "OF" Series TAG mode is selected.
CLEAR:	C		The CLEAR Function is used to clear data that was entered.

EXAMPLE

DISPLAY:		(BYTE 3/6 32 HEX)	The byte at address 3 in the 7 byte CPF-88 buffer, has the value of 32 HEX.
ACTION:	2 and 6	(BYTE 3/6 26 HEX)	Change the data value at address 3 to 26 HEX.
ACTION:	C →	(BYTE 3/6 32 HEX)	The data value in the buffer and on the display returns to it's original value.

EXAMPLE

DISPLAY: Error Number

ACTION: C → **(BYTE 2/6 00 HEX)** The error is cleared and the display is restored with the data value set to zero. All other data bytes previously entered remain unchanged.

FUNCTIONS

Display data in decimal or hexadecimal base

This function allows the contents of the CPF-88 buffer to be displayed in hexadecimal or decimal base format.

EXAMPLE

DISPLAY: **(BYTE 4/6 CA HEX)** The byte at address 4 in the 7 byte CPF-88 buffer has the value of CA HEX.



ACTION: F Access the secondary function menu of the CPF-88.

ACTION: h/d → **(BYTE 4/6 202 DEC)** Change the data that is displayed to decimal format.

DISPLAY DATA IN ASCII FORMAT

This function allows the contents of the CPF-88 Buffer to be displayed in ASCII format.

EXAMPLE

DISPLAY:			(BYTE 4/6 42 HEX)	The byte at address 4 in the 7 byte CPF-88 buffer has the value of 42 HEX.
ACTION:	F			Access the secondary function menu of the CPF-88.
ACTION:	\$	→	 B 	Change the data that is displayed to ASCII format.
ACTION:	C			The display will be restored.
READ:	R			This function allows the reading of data from "OF/OFR" TAGS.

DISPLAY

ACTION:	on/off	→	(BYTE 0/6 00 HEX)	The CPF-88 is always in the 7-byte "OF" Series TAG mode when power is applied.
ACTION:	R	→	(RF TAG READING)	Message will remain until operation is completed or the R key is pressed again.

Place the TAG in front of the CPF-88. Align the two arrows (one on the TAG and one on the CPF-88) in parallel for correct TAG to CPF-88 alignment.

DISPLAY:			(BYTE 0/6 06 HEX)	All bytes of the TAG are read and stored in the CPF-88 buffer.
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WRITE DATA TO A TAG

This function allows the writing of data from the CPF-88 buffer to an "OFR" style TAG.

EXAMPLE

DISPLAY: (BYTE 2/6 20 HEX) The byte at address 2 in the 7 byte CPF-88 buffer has the value of 20 HEX.

Before writing to the TAG, verify that the programming cable is properly connected to the TAG and CPF-88.

ACTION: F Access the secondary function menu of the CPF-88.

ACTION: w → (WRITING) All data that is stored in the CPF-88 buffer is written to the TAG. The display will continue to show "WRITING" until the operation is complete or the **C** key is pressed.

DISPLAY: (BYTE 2/6 20 HEX) Display returns after WRITE operation is complete.

INCREMENT / DECREMENT DISPLAY

This function allows the user to change the current address value being displayed and changed the value of the address in the CPF-88 data buffer.

EXAMPL

ACTION: 4 and 6 → (BYTE /6 46 DEC) Change the data value at address 6 to 46.

ACTION: + → (BYTE 0/6 34 DEC) Increment the buffer address by one and show the data stored in that address.

ACTION: - → (BYTE 6/6 46 DEC) Decrement the buffer address by one and show the data stored in that address.

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CPF-88

Identification - Coding

Reference: CPF-88

Characteristics

- Reads "OF" series and "OFR" series Read Only TAGS.
- Programming of "OFR" re-programmable TAGS.
- (Programming cable optional)
- LCD Display.
- Displays data in Hex, or Decimal format.
- Auto power shutoff after 6 minutes of inactivity
Powered by 4 AA Ni-CAD or Alkaline batteries.



Optional "OFR" Programming Cable
(Not Included, purchase separately)

Revised: October 22, 2002