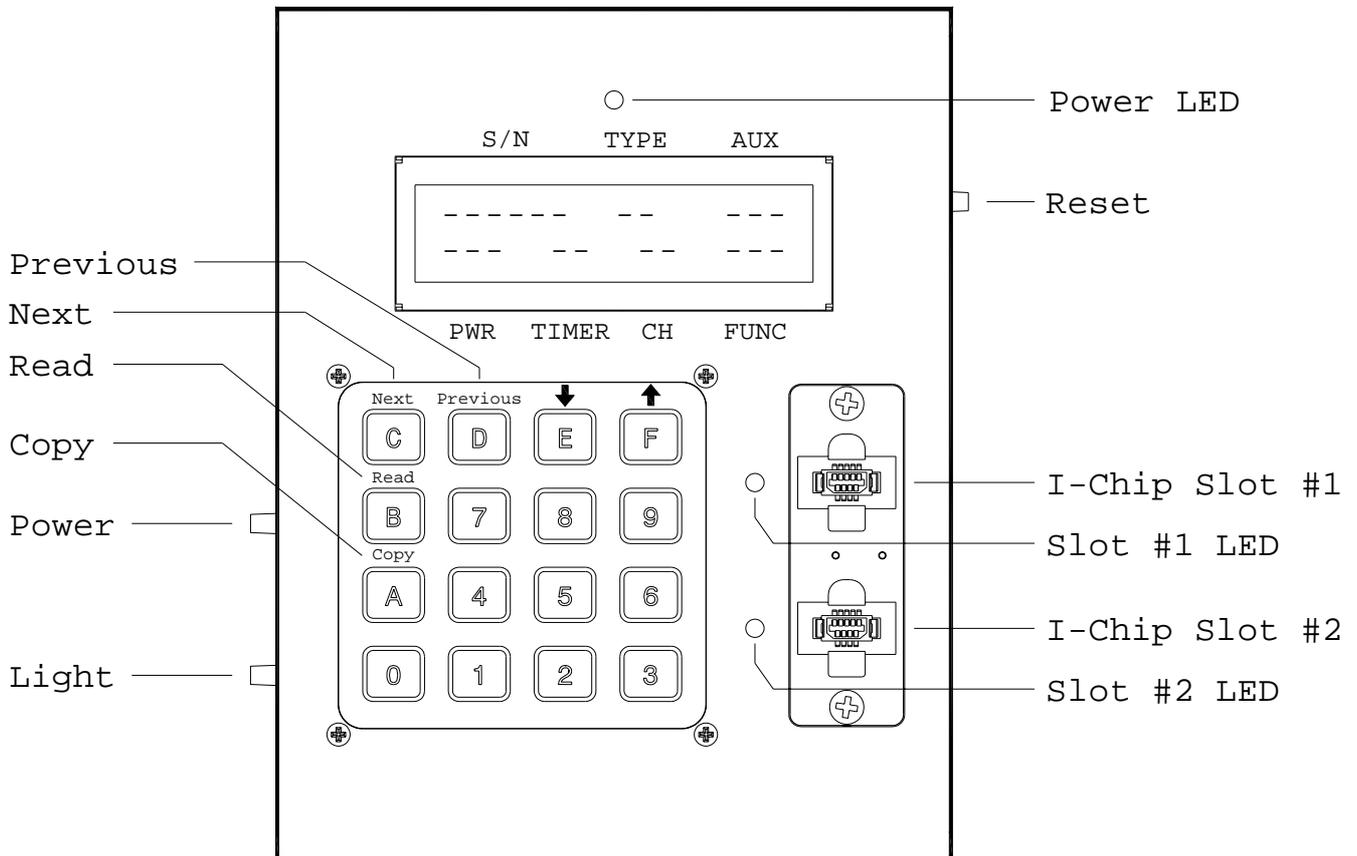


I-CHIP

Programming Manual

A. LCD and Buttons Illustrations



B. Copy I-CHIP

If you do not have an empty I-CHIP on hand, you can first store the original I-CHIP's information into the programmer unit temporarily and perform copy at later time.

Steps: First insert the original I-CHIP onto the I-CHIP slot #1, press READ button to store original I-CHIP information into the programmer unit (red light will appeared on the I-CHIP LED then green again), insert an empty I-CHIP onto the same I-CHIP slot, press COPY button to transfer information from the programmer unit to the empty I-CHIP (red light will appeared on the I-CHIP LED then green again). Programming completed!

C. Duplicate I-CHIP

If you have both the original I-CHIP and the empty I-CHIP on hand at the time of programming, rather than store information into the programmer unit first then into the empty I-CHIP, you can perform I-CHIP duplication altogether.

Steps: Insert the original I-CHIP onto slot #1, insert the empty I-CHIP onto slot #2, press COPY button to transfer information from slot #1 to slot #2 (red light will appeared on both I-CHIP LED then green again). Now both the original and the empty I-CHIP will have the identical information.

D. Program System Serial Number

Change system serial number simply by moving the black arrow on the LCD screen to the **S/N** location via NEXT and PREVIOUS button, then either press the ↑ & ↓ arrows or the number buttons directly to change serial number.

When finished, take the same I-CHIP and insert it onto the I-CHIP programming port located on the decoder module to transfer the serial number from the I-CHIP to the receiver. To transfer I-CHIP information to the receiver, JP6 must be inserted.

E. Program System Type

Change system type simply by moving the black arrow on the LCD screen to the **TYPE** location via NEXT and PREVIOUS button, then press the ↑ & ↓ arrows to change value. For standard system, always set the value at “00”. For tandem transmitters, you must set tandem transmitter-A to “01” value and tandem transmitter-B to “02” value.

When finished, take the same I-CHIP and insert it onto the I-CHIP programming port located on the decoder module to transfer the Tandem function to the receiver (transmitter-A to receiver-A and transmitter-B to receiver-B). To transfer I-CHIP information to the receiver, JP6 must be inserted.

F. Program START/AUX function

After initiating the START function, the same location will then become an AUX function. You can set the FUNCTION relay in the receiver, when rotate to START position, the relay will close momentarily, toggled or toggled affected by E-Stop activation. When set with START/AUX function, the external warning function is no longer available. Add START/AUX function simply by moving the black arrow on the LCD screen to the **AUX** location via NEXT and PREVIOUS button, then press the ↑ & ↓ arrows to change value.

- : **START function only, no AUX function thereafter.**
- NOR** : **START function + AUX with normal momentary contact.**
- TOG** : **START function + AUX with toggled/latching contact.**
- T/E** : **START function + AUX with toggled/latching contact affected by the power key switch (when transmitter power is turned off, the FUNCTION relay will open).**
- EXT** : **FUNCTION relay works simultaneously with receiver MAIN.**

When finished, take the same I-CHIP and insert it onto the I-CHIP programming port located on the decoder module to transfer the START/AUX function to the receiver. To transfer I-CHIP information to the receiver, JP6 must be inserted.

G. Program Transmitter Output Power

Change transmitter output power simply by moving the black arrow on the LCD screen to the **PWR** location via NEXT and PREVIOUS button, then press ↑↓arrows to change the output power. “-23” value will give you the shortest transmitting range but longest battery life while “+12” value will give you the longest transmitting range but shortest battery life. We recommend that for indoor applications, the transmitter output power should be set from “-5” to “+3” value. For outdoor applications, we recommend that you set the transmitter output power from “+6” to “+10” value.

H. Program Transmitter On time / Transmitting Time

Change continuous transmitting time from 1 up to 60 minutes or constant on until the transmitter power is turned off. Change transmitter on time simply by moving the black arrow on the LCD screen to the **TIMER** location via NEXT and PREVIOUS button, then press the ↑↓arrows to change value.

I. Program System RF Channel

Change system channel simply by moving the black arrow on the LCD screen to the **CH** location via NEXT and PREVIOUS button, then either press the ↑↓arrows or the number buttons directly to change system channel.

J. Program Transmitter Push Button Functions

Program transmitter push button functions (transmitter toggle and select functions) simply by moving the black arrow on the LCD screen to the **FUNC** location via NEXT and PREVIOUS button, then either press the ↑ & ↓ arrows or the number buttons directly to set transmitter push button functions. The transmitter push button function table next page tells you which number value correspond to which push button function.

K. Brake Function

There are 3 different types of brake configurations made available, Demag 1, Demag 2 and P&H types.

Demag 1 : When releasing the push button from 2nd speed up to 1st speed, 1st speed output relay will open for up to 1.0 second and then closes again.

Demag 2 : When push button is pressed down to the 2nd speed directly from neutral position (0 speed), 1st speed output relay will maintain closure for up to 0.4 second before 2nd speed output relay is closed. When releasing the push button from 2nd speed up to neutral position (0 speed), 1st speed output relay will maintain closure for up to 0.5 second before going to neutral (0 speed).

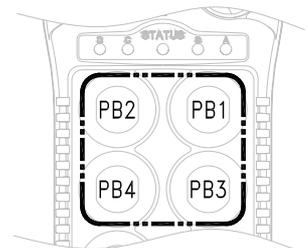
P&H : When releasing the push button from 2nd speed up to neutral position (0 speed), 1st speed output relay will maintain closure for up to 0.1 second before going to neutral (0 speed).

When finished, take the same I-CHIP and insert it onto the I-CHIP programming port located on the decoder module to transfer the START/AUX function to the receiver. To transfer I-CHIP information to the receiver, JP6 must be inserted.

L. Password / Security Code Function

Only push button #1 through #4 are used for the password function. “1” represents PB1, “2” represents PB2, “3” represents PB3 and “4” represents PB4.

1 1 1 1 : Password function disabled (manufacture preset)



M. “RESET” button

Press “RESET” button when the programmer is not responding to values inputted. Then press “POWER” button again to start again.