



# Installation and Operation Instructions

## Pattern Select Programmer

### Introduction:

The Pattern Select Programmer has been created to allow for easy and quick programming of Code 3's directional lights. The programmer has been designed to work with the MR6, Mega-thin, Chase, and M180 lighthouse product families.

### Contents:

Specifications.....	02
User Instructions.....	02
Warranty and Return Info.....	03

**IMPORTANT!** Read all instructions before installing and using. Installer: This manual must be delivered to the end user.



#### WARNING!

Failure to install or use this product according to manufacturers recommendations may result in property damage, serious injury, and/or death to those you are seeking to protect!



**Do not install and/or operate this safety product unless you have read and understand the safety information contained in this manual.**

1. Proper installation combined with operator training in the use, care, and maintenance of emergency warning devices are essential to ensure the safety of emergency personnel and the public.
2. Emergency warning devices often require high electrical voltages and/or currents. Exercise caution when working with live electrical connections.
3. This product must be properly grounded. Inadequate grounding and/or shorting of electrical connections can cause high current arcing, which can cause personal injury and/or severe vehicle damage, including fire.
4. Proper placement and installation is vital to the performance of this warning device. Install this product so that output performance of the system is maximized and the controls are placed within convenient reach of the operator so that s/he can operate the system without losing eye contact with the roadway.
5. It is the responsibility of the vehicle operator to ensure daily that all features of this product work correctly. In use, the vehicle operator should ensure the projection of the warning signal is not blocked by vehicle components (i.e., open trunks or compartment doors), people, vehicles or other obstructions.
6. The use of this or any other warning device does not ensure all drivers can or will observe or react to an emergency warning signal. Never take the right-of-way for granted. It is your responsibility to be sure you can proceed safely before entering an intersection, drive against traffic, respond at a high rate of speed, or walk on or around traffic lanes.
7. This equipment is intended for use by authorized personnel only. The user is responsible for understanding and obeying all laws regarding emergency warning devices. Therefore, the user should check all applicable city, state, and federal laws and regulations. The manufacturer assumes no liability for any loss resulting from the use of this warning device.

## Specifications

Input Voltage: 10-30VDC

Input voltage should be the same as recommended on the light head being programmed.

## Operating Instructions

To program light head:

1. Connect power source to programmer.
  - a. Connect Ground to left terminal of Pattern Select Programmer.
  - b. Connect Positive to right terminal of Pattern Select Programmer.
2. Connect light head(s) to programmer.
  - a. Red wire from Programmer to Positive wire on light head(s).
  - b. Black wire from Programmer to Ground wire on light head(s).
  - c. Blue wire from Programmer to Program wire on light head(s).
3. Press "Start" button on the Pattern Select Programmer to set light head to last pattern when the unit is set to 0.
4. Otherwise rotate the "Knob" clockwise to select the pattern number you would like to choose. Then press the "Start" button. The unit will set the light head to the last pattern and then increment patterns until it gets to the pattern number you selected. Light head will remaining on for a few seconds showing the pattern selected.
5. To reset value back to zero press down on the "Knob". Then select the value you would like to program the light head to.
6. Press the "Demo" button to turn the light head on for a few seconds. This will allow you to see the pattern the light head is currently on.

The Pattern Select Controller can program the following lights:

<b>Model</b>	<b>Last Pattern</b>
ULT6-X	4 Single Flash, 2 Quad Flash Alt.
ULT6-XX	4 Single Flash, 2 Quad Flash Alt.
ULT6-XXX	Single-Color pattern for steady burn Dual-Color patterns fro Quad 150FPM Ph2 Tri-Color patterns for Quad 150FPM Ph1
ULTMC-XX	Steady Burn
MR6-X	*See Note
MR6-XX	4 Single Flash, 2 Quad Flash Alt.
MR6-XXX	Single-Color pattern for steady burn Dual-Color patterns fro Quad 150FPM Ph2 Tri-Color patterns for Quad 150FPM Ph1
MR6MC-XX	Steady Burn
CD3766XX	Steady Burn
CD3766XXX	Single-Color pattern for steady burn Dual-Color pattern for Quad 150FPM Ph2 Tri-Color pattern for Quad 150FPM Ph1
M180S-X	4 Single Flash, 2 Quad Flash Alt.
M180S-XXX	Single-Color pattern for steady burn Dual-Color patterns fro Quad 150FPM Ph2 Tri-Color patterns for Quad 150FPM Ph1

\*Note MR6 Single color is reset to default Quad Flash Pattern 5 Mode 13. User will need to add from the pattern they would like to go to. Example: To get to pattern 15 the user would select 2 as the value but to get to pattern 7 the user would select 23 as the value.

## **Manufacturer Limited Warranty Policy:**

Manufacturer warrants that on the date of purchase this product will conform to Manufacturer's specifications for this product (which are available from the Manufacturer upon request). This Limited Warranty extends for Sixty (60) months from the date of purchase.

**DAMAGE TO PARTS OR PRODUCTS RESULTING FROM TAMPERING, ACCIDENT, ABUSE, MISUSE, NEGLIGENCE, UNAPPROVED MODIFICATIONS, FIRE OR OTHER HAZARD; IMPROPER INSTALLATION OR OPERATION; OR NOT BEING MAINTAINED IN ACCORDANCE WITH THE MAINTENANCE PROCEDURES SET FORTH IN MANUFACTURER'S INSTALLATION AND OPERATING INSTRUCTIONS VOIDS THIS LIMITED WARRANTY.**

### **Exclusion of Other Warranties:**

MANUFACTURER MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED. THE IMPLIED WARRANTIES FOR MERCHANTABILITY, QUALITY OR FITNESS FOR A PARTICULAR PURPOSE, OR ARISING FROM A COURSE OF DEALING, USAGE OR TRADE PRACTICE ARE HEREBY EXCLUDED AND SHALL NOT APPLY TO THE PRODUCT AND ARE HEREBY DISCLAIMED, EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW. ORAL STATEMENTS OR REPRESENTATIONS ABOUT THE PRODUCT DO NOT CONSTITUTE WARRANTIES.

### **Remedies and Limitation of Liability:**

MANUFACTURER'S SOLE LIABILITY AND BUYER'S EXCLUSIVE REMEDY IN CONTRACT, TORT (INCLUDING NEGLIGENCE), OR UNDER ANY OTHER THEORY AGAINST MANUFACTURER REGARDING THE PRODUCT AND ITS USE SHALL BE, AT MANUFACTURER'S DISCRETION, THE REPLACEMENT OR REPAIR OF THE PRODUCT, OR THE REFUND OF THE PURCHASE PRICE PAID BY BUYER FOR NON-CONFORMING PRODUCT. IN NO EVENT SHALL MANUFACTURER'S LIABILITY ARISING OUT OF THIS LIMITED WARRANTY OR ANY OTHER CLAIM RELATED TO THE MANUFACTURER'S PRODUCTS EXCEED THE AMOUNT PAID FOR THE PRODUCT BY BUYER AT THE TIME OF THE ORIGINAL PURCHASE. IN NO EVENT SHALL MANUFACTURER BE LIABLE FOR LOST PROFITS, THE COST OF SUBSTITUTE EQUIPMENT OR LABOR, PROPERTY DAMAGE, OR OTHER SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES BASED UPON ANY CLAIM FOR BREACH OF CONTRACT, IMPROPER INSTALLATION, NEGLIGENCE, OR OTHER CLAIM, EVEN IF MANUFACTURER OR A MANUFACTURER'S REPRESENTATIVE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. MANUFACTURER SHALL HAVE NO FURTHER OBLIGATION OR LIABILITY WITH RESPECT TO THE PRODUCT OR ITS SALE, OPERATION AND USE, AND MANUFACTURER NEITHER ASSUMES NOR AUTHORIZES THE ASSUMPTION OF ANY OTHER OBLIGATION OR LIABILITY IN CONNECTION WITH SUCH PRODUCT.

This Limited Warranty defines specific legal rights. You may have other legal rights which vary from jurisdiction to jurisdiction. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages.

## **Product Returns:**

If a product must be returned for repair or replacement\*, please contact our factory to obtain a Return Goods Authorization Number (RGA number) before you ship the product to Code 3®, Inc. Write the RGA number clearly on the package near the mailing label. Be sure you use sufficient packing materials to avoid damage to the product being returned while in transit.

\*Code 3®, Inc. reserves the right to repair or replace at its discretion. Code 3®, Inc. assumes no responsibility or liability for expenses incurred for the removal and /or reinstallation of products requiring service and/or repair.; nor for the packaging, handling, and shipping; nor for the handling of products returned to sender after the service has been rendered.



10986 North Warson Road  
St. Louis, MO 63114

**Technical Service**

(314) 996-2800

c3\_tech\_support@code3esg.com

www.code3esg.com

An ECCO SAFETY GROUP™ Company

www.eccosafetygroup.com