

## INSTALLATION INSTRUCTIONS:

# 204CH/40SL Selectable Program



*Read these instructions before installing*

1. Device should be installed by qualified personnel only.
2. Install device upright with wiring pointing downward. Be sure to allow adequate ventilation for cooling.
3. Be certain all power is disconnected at source before attempting to connect the device.
4. Make sure all output circuits are clear of shorts before making connections.
5. Connect green wire to ground.
6. Connect white wire to neutral.
7. Connect incoming power to both black 12 gauge wires. If flasher is supplied with 120vac, then combine both black wires together for incoming power. If flasher is supplied with 220vac, then connect both black wires to the separate incoming power lines.
8. Connect 16 gauge wires to output fuse protection.  
YELLOW      OUTPUT CHANNEL #1  
GRAY         OUTPUT CHANNEL #2  
PURPLE      OUTPUT CHANNEL #3  
BLUE         OUTPUT CHANNEL #4
9. To insure proper protection all outputs should be fused with 10 amp (ABC) fast acting fuses. Fuses should be sized at the lowest level to accommodate the sign application, but should never exceed 10 amps. Fuses and fuse holders are available from your supplier.
10. If an output becomes shorted due to improper fusing or a very fast acting short circuit, the triac will remain in the closed position and output will stay on steady. This unit has replaceable triacs and they can be ordered from your supplier.
11. If device is installed in an outdoor environment use a close nipple with another junction box to insure a weatherproof installation.
12. The speed control dial on the top of the unit may be used to adjust the speed of the flasher operation.
13. The program selector dial on the bottom of the unit may be used to select the desired flasher pattern as shown in the program selection chart below.

### **fuse holder options for installation**

Available from your supplier.

In Line



Fuse Block



Panel Mount



ABC Type Fuse



### **program selection**

- #0 - Chase 3 on 1 off
- #1 - Chase 1 on 3 off
- #2 - Chase 2 on 2 off
- #3 - Fill up - Flash 1X
- #4 - 2 on 2 off Chase Fwd - Rev
- #5 - 1 on 3 off Chase Fwd - Rev
- #6 - Wipe on Wipe Off
- #7 - Multi-Action
- #8 - Spell up - Flash 1X
- #9 - All on (Steady Burn)

Action Lighting Inc

310 Ice Pond Rd Bozeman, MT 59714

Tel: 800-248-0076

Fax: 406-585-3078

www.actionlighting.com  
action@actionlighting.com