

Integrated Controls, Inc.

AUTOMATIC FADING CONTROLLER/DIMMER Model L129

Programmable and operational options include:

- Start Level
- Rise Time
- Hold Level
- Hold Time
- Fall Time
- Three trigger modes
- Flicker On/Off/Depth/Rate
- Flasher On/Off/Rate
- Automatic Recycle after completion
- Pause Time between Recycle
- Force ON
- Force OFF
- Abort Cycle
- Closure inputs for all functions



After starting (triggering), the output executes the following basic Cycle:

Fade from a Start Level to a Hold Level, Hold at that level, and then fade back to the Start Level.

Tremendous additional operational flexibility is available. Features and options include:

Programmable Fade Time ranges from 1 – 10,000 seconds (that's almost a 3 hour fade)

All digital operation, values stored in EEROM for retention without power - no trimmers or adjustments

Start Level may be higher or lower than Hold Level

Proper theatrical dimming curve

Well filtered output, 2.2" semi epoxy encapsulated choke

Dual SCR output stage

Work light control (Force On / Force Off)

Automatic detection of 50/60Hz

Flicker generation during Hold phase with adjustable parameters and random number generator

Flasher during Hold phase, Full ON to Full Off, adjustable rate

Programmed settings are secure because the programming unit is separate; nobody can mess up your settings

Only one program data loader needed for many units saves cost



The PIC/AXE program data loader is an optional hand held accessory with switches and an LCD Display and is used to program the various time and level settings. Once programmed with the PIC/AXE (or at the factory) the L129 is a stand-alone controller. The PIC/AXE can also function as a remote control in Run mode.

The control section may be supplied separately or with an integral dimmer. If control section is ordered separately, its output can be configured as 0 to 10VDC or 0 to 5VDC Control (or consult regarding DMX-512) to control an external dimmer.

The L129 has three Trigger modes:

Momentary all timed

Waits for push of momentary Start switch and executes a Cycle, stops after fall time.

Momentary start and end

Momentary closure to start, Cycle runs until Hold, waits for another momentary closure to begin Fall

Closure held

Cycle starts on closure, when Hold is reached Hold is maintained until release of closure, then Falls

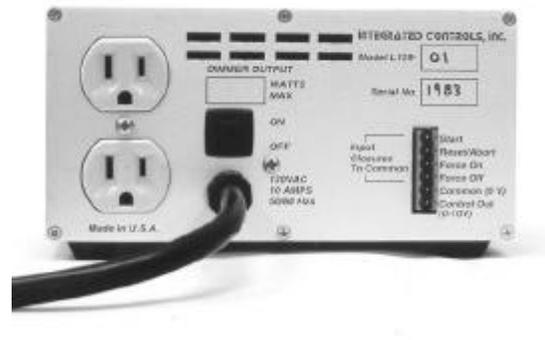
Consult for other trigger options.

When Recycle is ON the cycle starts again automatically at the end of the Fall time.

The front panel has a power LED, an output level mimic LED, and control switches: Start, Force On, Force Off, and Reset. The Reset switch can be used to abort a current event and initialize the dimmer. It can also be used interchangeably with the Reset switch on the PIC/AXE L124-01 Data Loader when it is connected.

The back panel has a pluggable terminal block for external trigger inputs (dry closure/NPN sink): Start, Force On, Force Off, and Reset/Abort. On the same terminal block is a Control Voltage output for controlling another dimmer.

Also on the back panel are the line cord, output connectors, and combination On/Off switch and circuit protection device.



Specifications

7.3" (184 mm) wide x 3.75" (96 mm) tall x 6.5" (165 mm) long

Weight 4.5 lbs. (9.9 kg)

With optional pipe clamp add 0.5 lbs. (1.1 kg)

Table 1 Configuration Options. Other factory options are available.

Controller with integral dimmer:

- L129-01 120VAC dimmer 600 Watts
- L129-01B 120VAC dimmer, 600 Watts with optional pipe clamp
- L129-02 120VAC dimmer, 1000 Watts
- L129-02B 120VAC dimmer, 1000 Watts with optional pipe clamp

Controller only:

- L129-10 0 to 10VDC out

PIC/AXE

Model L124 Data Loader

If not ordered specify factory-programming parameters.



Shown with optional 2" pipe clamp

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