# EMERGENCY SHUT DOWN and ZipOff (PANIC) switch

options for SLC series SEQUENCING LOAD CENTERS and

PDS-8 series Power Sequencing Systems

What the options do

### **EMERGENCY SHUTDOWN**

Provides a *FAST* shut down method for the sound system at the command of a fire alarm or emergency announcement system.

### **ZipOff** switch

Provides a full AC Power shutdown 2 seconds after the **ZipOff** button is pushed.

In case of a runaway oscillation or other unexpected signal which could damage the loudspeakers if sustained...

Lift the protective cover and press the ZipOff button... it latches down and lights red. Two seconds later the AC power sequencing system zips off.

Press again to unlatch... the light goes out and the sequencer restarts to repower the system.

### For archive only - not for new designs

For ZipOff on Kill enabled systems see http://www.lyntec.com/139-0256 ZOS-5K.pdf

How they do it

All LynTec sequencing systems have the ZipOff load shedding feature.

ZipOff waits for two seconds after a power failure to be sure it's not just a glitch...then the sequencer zips off all power contacts using stored energy in the sequencer.

The ON/OFF *latching* pilot relay remembers that the sequencer was ON. When power is reapplied, the ON sequence repeats, bringing the AC power back on.

Either the **EMERGENCY SHUTDOWN** or **ZipOff** switch are simply interrupting the 24v ac power to the sequencer, initiating ZipOff.

This simple, 24v ac, series power circuit allows either one or both functions.

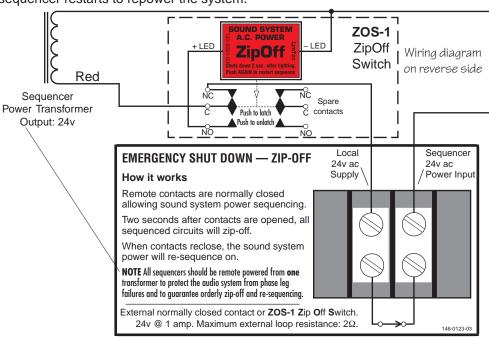
Green

COMMON

Red

AC

Input



Typical label mounted with barrier strip inside low voltage control section

#### What to specify or order

For EMERGENCY SHUTDOWN (Factory mod. at time of order only) add ES suffix to the model number of the system. Example: SLC 326A-16 13/20 3/30 ES or PDS-8 ES ES Contractor C.O.D. price: Add \$50 to system cost.

For **ZipOff** switch order **ZOS-1**.

Includes legended switch and flip up security cover. Switch mounts in 5/8" round hole in panels up to 3/16" thick.

ZOS-1 Contractor C.O.D. price: \$30.

Delivery: Normally stock.

www.**LynTec**.com

## for MULTIPLE SEQUENCER SYSTEMS

Sequencer

**Board** 

For sequencing systems that have more than one sequencer board, ALL sequencer boards should be powered from the output terminal of the EMERGENCY SHUT DOWN on one panel. This will guarantee full emergency shut down and consistent zip-off performance.

One transformer will power up to 6 sequencer boards.

#### Wire Sizing

To guarantee proper operation the loop resistance must be less than  $2\Omega$ .

≤75 ft. run - use 22 ga.

≤125 ft. run - use 20 ga.

≤200 ft. run - use 18 ga.

≤300 ft. run - use 16 ga.

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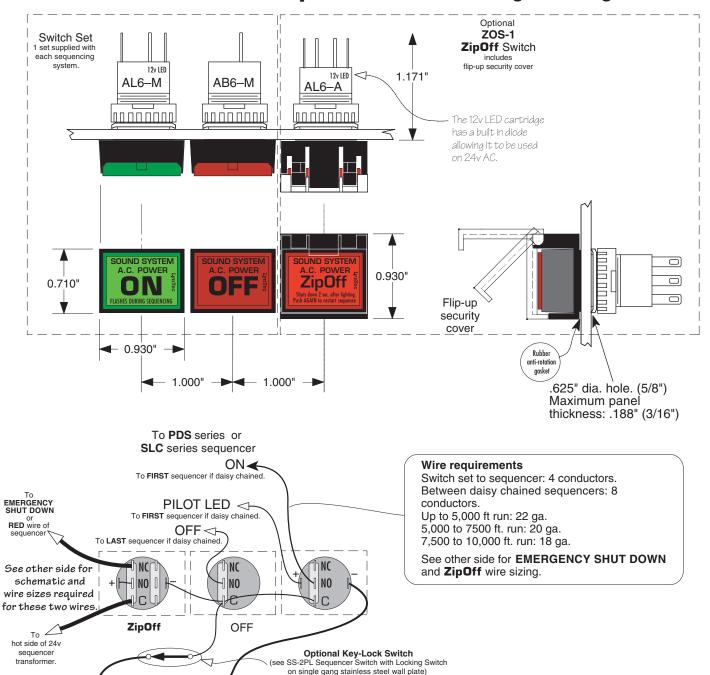
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# LynTec

## A.C. Sequencing Systems

# ON, OFF and ZipOff switch mounting & wiring



Rear view wiring diagram

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