



L864

Constant Pressure Controller

The L864 is a constant pressure controller used to maintain a user configurable pressure in a stairway or other multi-zoned area.

The L864 compares pressures in multiple zones and controls a listed stairwell pressurization fan as well as an optional relief damper to maintain the user determined range. The L864 is used as part of the Active Compensated Stairwell Pressurization (Advanced ACSP) System.

FEATURES

- 7" Color Touchscreen interface**
- Field adjustable system parameters**
- Dedicated inputs & relay contact outputs for FSCS interface**
- Dedicated system enable input for FACP interface**
- Applications** - Active Compensated Stairwell Pressurization (ACSP) System
- Function** - Control Panel to maintain a user configurable pressure by modulating a stairwell pressurization fan and optional relief damper
- Construction** - The NEMA4X housing is constructed of mild steel painted to prevent corrosion
- Listings and Ratings** - UL864, Standard for Control Units and Accessories for Fire Alarm Systems
- Communication** - Modbus RTU RS485 serial protocol supported
- Warranty** - Two year mechanical warranty
- Made in America**

ORDER MATRIX (Accessories)

L864 .

Number of Sensors

- 01 = one sensor
- 02 = two sensors
- 03 = three sensors
- 11 = Adv ACSP

ACCESSORIES

- LP4** - Bi-directional pressure transducer
- WPP** - Wall Port Plate
- DPS** - Differential Pressure Switch
- CS75** - Current Sensing Relay
- DP** - Duct Probe



Dimensional Information

A	B	C
16-1/4"	16-1/4"	6-1/2"



Power Requirements

Voltage	Amps
24VDC	100mA max

Power Output

Voltage	Amps
24VDC	0.65

Control Signal

Voltage	Amps
0-10VDC	0.1

SYSTEM DESCRIPTION

Active Compensated Stairwell Pressurization (ACSP)

The Active Compensated Stairwell Pressurization (Advanced ACSP) System maintains a constant positive pressure in the stairwell or multi-zoned area by controlling a stairwell pressurization fan and optional relief damper.

Advanced Active Compensated Stairwell Pressurization (Advanced ACSP)

The Advanced Active Compensated Stairwell Pressurization (Advanced ACSP) System maintains a constant positive pressure in a multi-point injection system shaft for high-rise building stairwells. The L864 maintains the pressure in the multi-point injection shaft; the L850 Injection Point Regulator maintains pressure at the injection point by controlling an injection point damper.

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100 S Sylvania Ave
Fort Worth, TX 76111
817-393-4029

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