### **Description:**

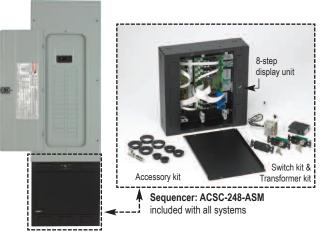
Lowell's ACLC-series AC loadcenter system with 8-step sequencer provides one switch remote control of circuit breakers for sequentially timed AC power distribution to sound system components. System includes 1- or 3-phase loadcenter bundled with Lowell's universal sequence controller Model ACSC-248ASM. The ACLC-series interfaces to life safety alarm systems, is UL Listed and engineered to provide easy ordering and simple installation. Packaged systems include a Cutler Hammer loadcenter (singlephase 100A or 200A; or 3-phase 125A or 225A main breaker) and 8-step sequence controller Model ACSC-248ASM. For installation convenience the sequencer can be mounted to the top, bottom or side of the loadcenter. Sequence delay for each circuit can be set at 0.5 to 10 seconds using a flat blade screwdriver.

The sequence controller provides time-delayed activation/deactivation of connected equipment with two options - full system or alternate sequence mode. Full system controls up to 24 loadcenter circuits with 8-steps (3-circuits per step). Alternate Sequence mode bypasses selected circuits allowing for a subset of equipment to be sequentially turned on/off. Alternate sequence mode is ideal for rehearsals, small events or energy saving measures. The sequence controller includes an installed decora-style 8-step display unit for visual identification of loadcenter operation and status. Additionally, it includes an accessory kit with plastic bushings, cable ties and ground bar; a transformer kit with 10A circuit breaker, transformer and transformer secondary leads; and a switch kit with two switches for full-system operation and one for alternate sequence mode operation. All switches are decora-style and may be installed on the sequencer or in a remote location. Note: additional switches (up to 10 total) may be added to provide both local and remote operation of the system. The sequencer housing is steel painted black with knockouts and a cover plate.

**Individual 20A and 30A breakers** (1-pole or 2-pole) to fill the loadcenter are sold separately. Each breaker includes a control cable that plugs into the sequencer allowing the operator to easily set and change sequence operation.

Alarm system interface. If required by local building code, facility usage, or the Fire Marshal; the system switches can be overridden and the system controlled by contact closures provided by the fire alarm panel or other similarly installed device. Maintained contact functions include Lock Off, Lock On, Switch Lock.

Note: To configure a loadcenter with more than one sequencer or to retrofit an existing Cutler Hammer or compatible loadcenter; sequencer Model ACSC-248-ASM (with bundled accessory, switch and transformer kits) may be ordered separately. Additionally, Lowell's multi-circuit 20A surge suppressor Series ACSP20 and ACSP20-GTF with ground transient filter may be used in conjunction with the sequenced loadcenter system to protect sensitive equipment from surges and ground transients. Visit the www.lowelmfg.com for more information on these and other Lowell Power products.



ACLC-series loadcenter with 8-step sequencer

#### Features:

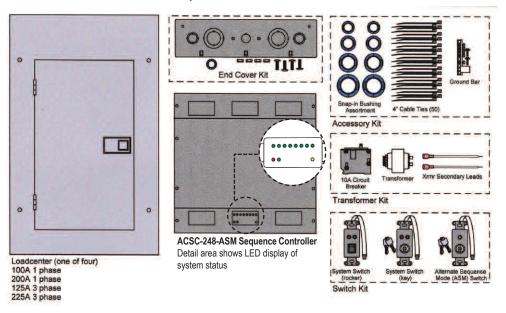
- One switch remote control of circuit breakers provides time sequenced AC power to system components.
- Systems include a loadcenter and the 8-step sequencer bundled with an accessory kit, switch kit, transformer kit, and end cover kit.
- Loadcenters are offered with single-phase (100A or 200A) or 3-phase (125A or 225A) main breaker.
- Sequencer Model ACSC-248ASM is UL508A Listed and controls up to 24 circuits with 8-steps and up to 3 circuits per step.
- Switches are Decora-style and may be installed on the sequencer or at a remote location.
- Interface for alarm systems or master control allows 'lock-on', lock-off' or 'switch-locked' functions.
- Breakers (order separately) include plug-in cables to set and change sequence operation.
- Made in the U.S.A.

System Model Loado	lcenter (included - order breakers separately)	Sequencer (included)	Sequencer kits (included - see detail page 2)
ACLC-100-20-SC248ASM 100A	A main breaker 1-phase 20space 20circuit	ACSC-248ASM 24 circuit, 8-step	Accessory, Switch, Transformer, End Cover
ACLC-200-30-SC248ASM 200A	A main breaker 1-phase 30space 40circuit	ACSC-248ASM 24 circuit, 8-step	Accessory, Switch, Transformer, End Cover
ACLC-3P-125-30-SC248ASM 125A	A main breaker 3-phase 30space 42circuit	ACSC-248ASM 24 circuit, 8-step	Accessory, Switch, Transformer, End Cover
ACLC-3P-225-42-SC248ASM 225A	A main breaker 3-phase 42space 42circuit	ACSC-248ASM 24 circuit, 8-step	Accessory, Switch, Transformer, End Cover

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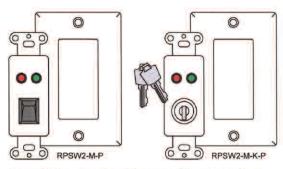
Each system includes 1 loadcenter and 1 sequencer with bundled kits:



Circuit breakers (order separately):



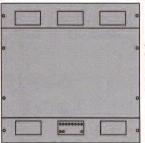
**Optional Remote Switches (order separately):** 



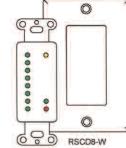
CO RPSW-K-P-ASM

System Switches: Identical to switches provided with unit except white (wallplate included) and w/o flex cable. May be utilized in remote locations, connect per hook-up diagram. Alternate Sequence Mode (ASM) activation switch. Identical to ASM switch provided except white (wallplate included) and w/o flex cable. May be utilized in remote location INSTEAD of ASM switch provided with unit.

Optional 2nd Sequence Control Unit and Display (order separately):



ACSC248-ASM Control Unit Additional control units may be added to create two or more independent systems originating from same loadcenter.

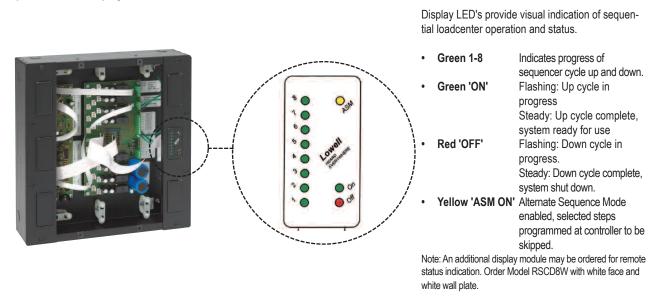


Remote display allows for system status indication at remote location. Identical to display on control unit except white (wallplate included) and w/o flex cable. Note: Requires 12 conductor cable from control unit.

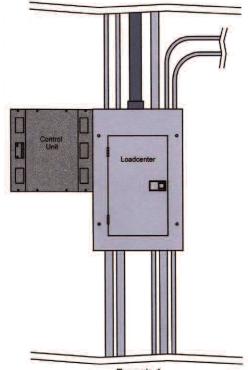
Spec. No. **1c-104** (rev. 11.3.11) pg. 2 of 4 ©2011 Lowell Manufacturing Company, 100 Integram Dr., Pacific MO 63069. Phone–800.325.9660 (ray, 11.3.11) change specifications and/or improve manufacturing methods without notification. (lowellmfg.com)

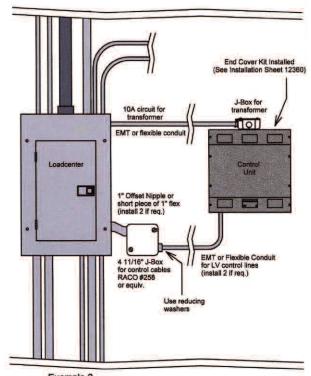


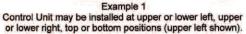
Sequencer front display function:



Typical surface installation:







Example 2 Control Unit Installed In "Remote" Location

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#### Specifications:

	•			
	Sequencer (included with all systems):			
Safety Agency Approvals:		UL Listed UL508A		
Control capacity		Up to 24 circuits with 8-steps and up to 3 circuits		
		per step.		
	Delay between steps:	0.5 - 10 seconds		
	Front LED's	Green, Red and Yellow with labeling to indicate		
		system status		
Sequencer Accessory Kit:		8 snap-in bushings, 50 4" cable ties, 1 ground		
		bar.		
	Sequencer End Cover Kit:	1 snap-in bushing, 4 screws and 4 nuts		
	Sequencer Switch Kit	Decora-style black switches with flex cable		
		leads include: 1 pushswitch with red & green		
		LED, 1 keyswitch with red & green LED,		
		1keyswitch with yellow LED for ASM use.		
	Sequencer Transformer Kit	24V transformer, pair of secondary transformer		
		leads, 10A circuit breaker		
External Control				
	Connections:	Barrier strip terminal blocks		
	Alarm Interface:	Lock on, lock off and switch lock functions for		
		alarm system or master control panel applica-		
		tions.		
	Remote Switch Contacts	Single terminal block connects up to 8 momen-		
		tary switches in parallel to activate sequencer		
		from a remote location.		
	Chassis construction:	Steel with black powder epoxy paint finish.		
	Dimensions / weight:	14"Wx14.5"Hx4"D/13lbs.		
	Loadcenter (1 of 4 included wi			
	Cutler Hammer	100A, 1-phase, 3-wire, 120/240V AC		
	Cutler Hammer	200A, 1-phase, 3-wire, 120/240V AC		
	Cutler Hammer	125A, 3-phase, 4-wire, 120/208V AC		
	Cutler Hammer	225A, 3-phase, 4-wire, 120/208V AC		
Loadcenter breakers with sequencer control cable (order separately)				
		ACRB-20-1		
	20A, 1-pole: 20A, 2-pole:	ACRB-20-1 ACRB-20-2		
	30A, 1-pole:	ACRB-30-1		
	30A, 1-pole:	ACRB-30-1 ACRB-30-2		
	JUA, 2-PUIE.			
Optional Remote Wall Switches (Decora-style white, order separately):				
	System pushswitch	RPSW2-MP		
	System keyswitch	PPSW2_MKP		

System pushswitch RPSW2-MP System keyswitch RPSW2-MKP ASM keyswitch RPSW-KP-ASM Sequence display RSCD8W

### A & E Specifications:

Loadcenter with sequence controller shall be UL Listed Lowell (ACLC-100-20-SC248ASM, Model ACLC-200-30-SC248ASM, ACLC-3P-125-30-SC248ASM, ACLC-3P-225-42-SC248ASM) It shall include a Cutler Hammer load-(single-phase 100A, single-phase center 200A, 3-phase 125A or 3-phase 225A) and Lowell's 8-step seguence controller Model ACSC248-ASM. Sequence controller shall provide time-delayed (0.5 to 10 seconds) activation/deactivation of connected equipment with two options - full system or alternate sequence mode. Full system shall control up to 24 loadcenter circuits with 8-steps (3-circuits per step). Alternate Sequence mode shall bypass selected circuits allowing for a subset of equipment to be sequentially turned on/off. The sequence controller shall include an installed decora-style 8-step display for visual indication of loadcenter operation and status. It shall also include an accessory kit with plastic bushings, cable ties and ground bar; a transformer kit with 10A circuit breaker, transformer and transformer secondary leads; and a switch kit with two switches for full-system operation and one for alternate sequence mode operation. All switches shall be decora-style for installation on the sequencer or in a remote location. The sequencer housing shall be steel painted black with knockouts and a cover plate and shall mount to the top, bottom or side of the loadcenter.

Accessories: Loadcenter circuit breakers with control cable for plug-in operation with the sequencer shall be 20A model\_\_\_\_\_\_(ACRB-20-1, ACRB-20-2) or 30A model \_\_\_\_\_\_(ACRB-30-1, ACRB-30-2). Optional wall switches for remote operation of system shall include Lowell Model \_\_\_\_\_.

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