



LAC1-Series: Telecom AC PDC

The LAC1-Series AC PDC provides custom configurations in a standard format.

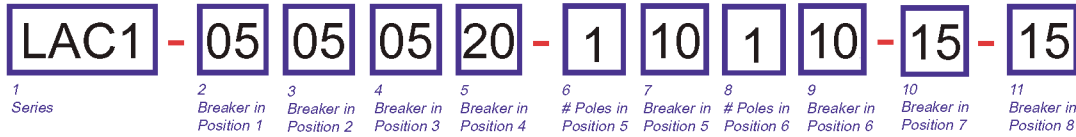
The LAC1-Series eliminates the need to invest in custom designed AC power requirements. The LAC1-Series is a standard AC load center designed for today's Telecommunications requirements, and is available from 120-240VAC.

General Specifications

Standards:	UL67 Listed for AC Panelboards
Dimensions:	Wall mount enclosure. 20"W x 14"H x 3.84"D
Enclosure:	16 gauge cold rolled steel with a powder coat finish.
Mains Breaker:	2-pole 100 amp mains breaker, 120/240 vac, 50-60 Hz, & 2-pole 100 amp generator back-up breaker, tied together, but with independent operation. Slide-bar, lock-out feature allows transfer from AC to generator power.
Loads:	Slots for up to 13 poles of branch circuit breakers. Circuit breakers 1-4: reserved for 2-pole breakers. Circuit breakers 5-6: reserved for one, 2-pole breaker or two single pole breakers. Circuit breaker 7: reserved for a 2-pole 15A circuit breaker (preloaded) for the GFI service outlet & optional surge suppressor. Circuit breaker 8: reserved for a single pole circuit breaker
Service Outlet:	15 Amp, 120VAC GFI
Operating Voltage:	120/240VAC, or 120/208V @ 50/60 Hz, 70 Amps single phase.
Service Entry:	Service Entry fittings located at the bottom, and bottom right corner of the enclosure.
Load Center Breakers:	UL489 C-Series w/ clip terminals & maximum rating of 50 amps per position with a total per panel of 70 amps or less.

Features & Benefits

- Versatile design allows custom configurations of branch circuits based on individual applications.
- Circuit breakers snap-in to Carling Technologies' exclusive circuit breaker mounting block. No need to hard wire the circuit breakers.
- Easy change over from main to generator power by use of a slide bar.
- UL listed to UL67 for AC panel boards.
- GFI convenience outlet is included for service.
- AC panel was designed for easy wiring.
- Ordering scheme assists you in ordering a custom solution from a standard product. Individual circuit breaker part numbers are provided which allow you to easily upgrade your existing panel in the future.
- Front cover is easily removed.
- Handleguards protect breakers.
- Breaker handles are visible through the front cover of the panel to allow easy breaker status identification.
- Breaker state can be changed without opening panel.
- Branch Circuits protected by Carling C-Series UL489 hydraulic/magnetic listed, VDE approved breakers, with clip terminals that allow easy snap-in mounting of breakers into the AC panel.
- Breaker trip and Current ratings are unaffected by ambient temperatures.

LAC1-Series Ordering Scheme

**1 SERIES
LAC1**
2 through 5 TWO POLE BREAKER RATING

00	No breaker	20	20 amps	40	40 amps
05	5 amps	25	25 amps	45	45 amps
10	10 amps	30	30 amps	50	50 amps
15	15 amps	35	35 amps		

6 and 8 NUMBER OF POLES¹

0	No breaker
1	single pole
2	two pole

7 and 9 BREAKER RATING

00	No breaker	20	20 amps	40	40 amps
05	5 amps	25	25 amps	45	45 amps
10	10 amps	30	30 amps	50	50 amps
15	15 amps	35	35 amps		

10 TWO POLE BREAKER RATING

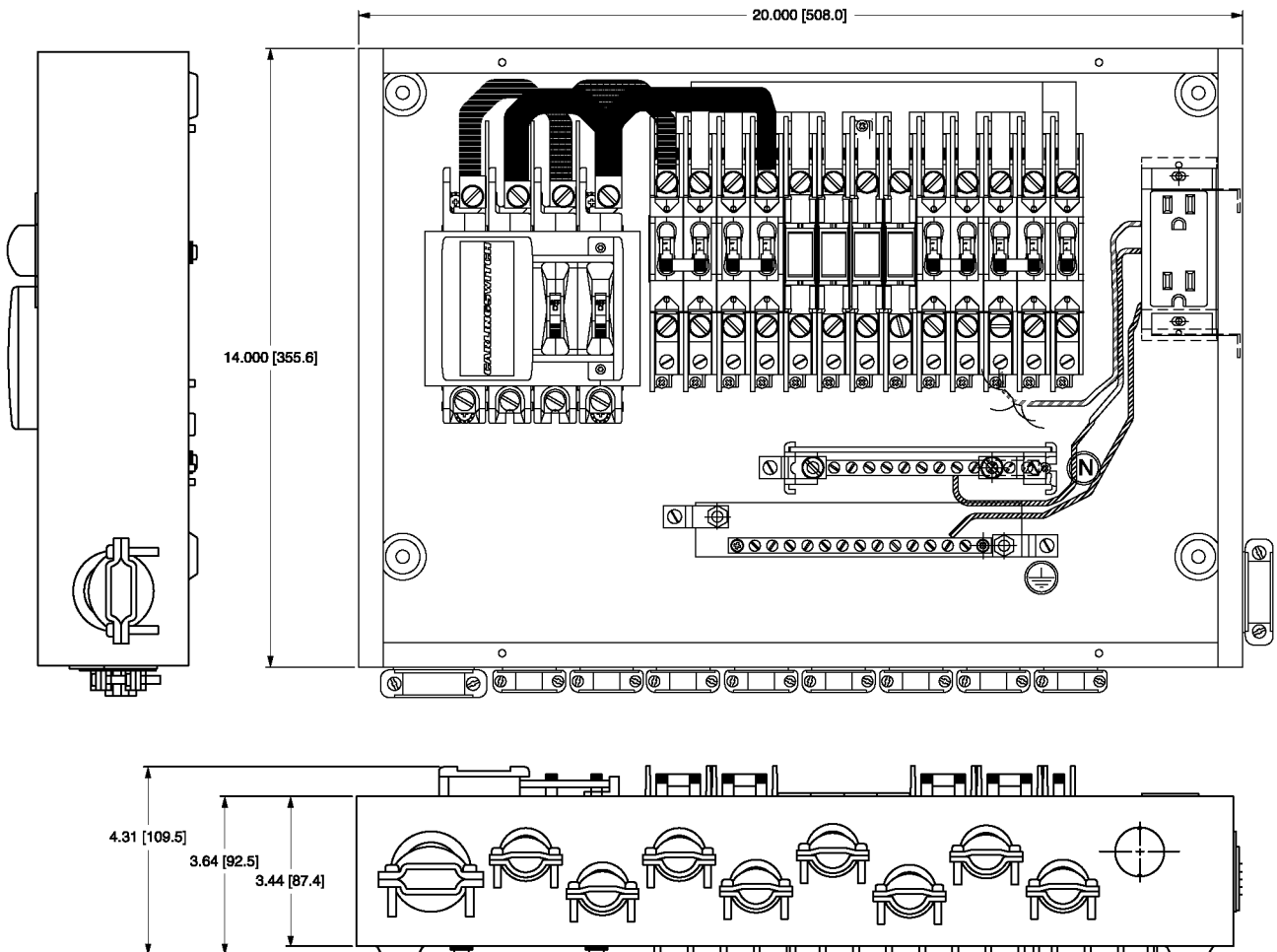
15	15 amps
----	---------

11 SINGLE POLE BREAKER RATING

00	No breaker	20	20 amps	40	40 amps
05	5 amps	25	25 amps	45	45 amps
10	10 amps	30	30 amps	50	50 amps
15	15 amps	35	35 amps		

NOTES:

- 1 If choosing single pole breakers, you must choose breakers for both positions 5 and 6.
If choosing a two pole breaker in position 5, then position 6 (selected in fields 8 and 9) must be "no breaker".

LAC1-Series Dimensional Specifications


Circuit Breakers

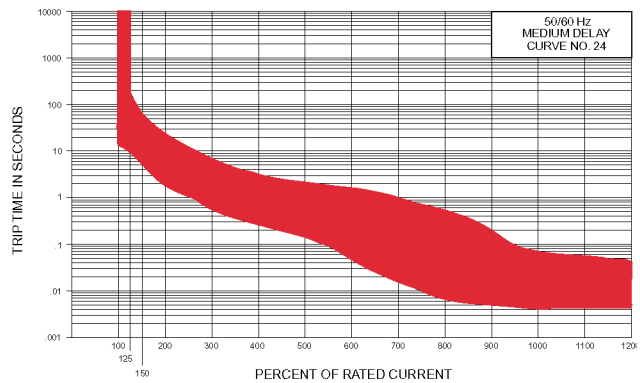
Circuit breakers can be ordered separately to upgrade or reconfigure panel at a later date.
Standard circuit breaker part numbers are listed on the chart below. For other ratings, consult factory.

General Specifications:

UL489, CSA and VDE approved
10,000 amp interrupting capacity

C-SERIES TIME DELAY VALUES										
TRIP TIME (SECONDS)	PERCENT OF RATED CURRENT									
	Delay	100%	125%	135%	150%	200%	400%	600%	800%	1200%
	24	No trip	10.0-160	-	.600-60.0	2.20-20.0	.300-3.00	.050-1.30	.007-.500	.005-.040

MEDIUM DELAY, CURVE #24		
RATING (amps)	SINGLE POLE	TWO POLE
5	CA1-X0-09-250-C2X-KG	CA2-X0-09-244-C2X-CG
10	CA1-X0-06-604-C2X-KG	CA2-X0-07-169-C2X-CG
15	CA1-X0-09-251-C2X-KG	CA2-X0-08-169-C2X-CG
20	CA1-X0-06-606-C2X-DJ	CA2-X0-04-891-C2X-CG
25	CA1-X0-09-252-C2X-KG	CA2-X0-09-245-C2X-CG
30	CA1-X0-09-253-C2X-KG	CA2-X0-06-299-C2X-CG
35	CA1-X0-09-254-C2X-KG	CA2-X0-09-246-C2X-CG
40	CA1-X0-09-255-C2X-KG	CA2-X0-09-247-C2X-CG
45	CA1-X0-09-256-C2X-KG	CA2-X0-09-248-C2X-CG
50	CA1-X0-09-261-C2X-KG	CA2-X0-09-249-C2X-CG



Circuit Breakers Dimensional Specifications

