



### 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.

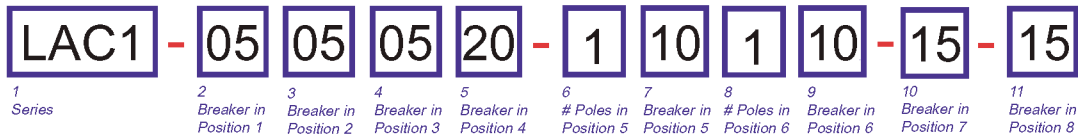
#### General Specifications

<b>Standards:</b>	UL67 Listed for AC Panelboards
<b>Dimensions:</b>	Wall mount enclosure. 20"W x 14"H x 3.84"D
<b>Enclosure:</b>	16 gauge cold rolled steel with a powder coat finish.
<b>Mains Breaker:</b>	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.
<b>Loads:</b>	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
<b>Service Outlet:</b>	15 Amp, 120VAC GFI
<b>Operating Voltage:</b>	120/240VAC, or 120/208V @ 50/60 Hz, 70 Amps single phase.
<b>Service Entry:</b>	Service Entry fittings located at the bottom, and bottom right corner of the enclosure.
<b>Load Center Breakers:</b>	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



<b>1 SERIES</b>	
<b>LAC1</b>	

<b>2 through 5 TWO POLE BREAKER RATING</b>			
<b>00</b>	No breaker	<b>20</b>	20 amps
<b>05</b>	5 amps	<b>25</b>	25 amps
<b>10</b>	10 amps	<b>30</b>	30 amps
<b>15</b>	15 amps	<b>35</b>	35 amps
<b>40</b>	40 amps	<b>45</b>	45 amps
<b>50</b>	50 amps		

<b>6 and 8 NUMBER OF POLES<sup>1</sup></b>	
<b>0</b>	No breaker
<b>1</b>	single pole
<b>2</b>	two pole

<b>7 and 9 BREAKER RATING</b>			
<b>00</b>	No breaker	<b>20</b>	20 amps
<b>05</b>	5 amps	<b>25</b>	25 amps
<b>10</b>	10 amps	<b>30</b>	30 amps
<b>15</b>	15 amps	<b>35</b>	35 amps
<b>40</b>	40 amps	<b>45</b>	45 amps
<b>50</b>	50 amps		

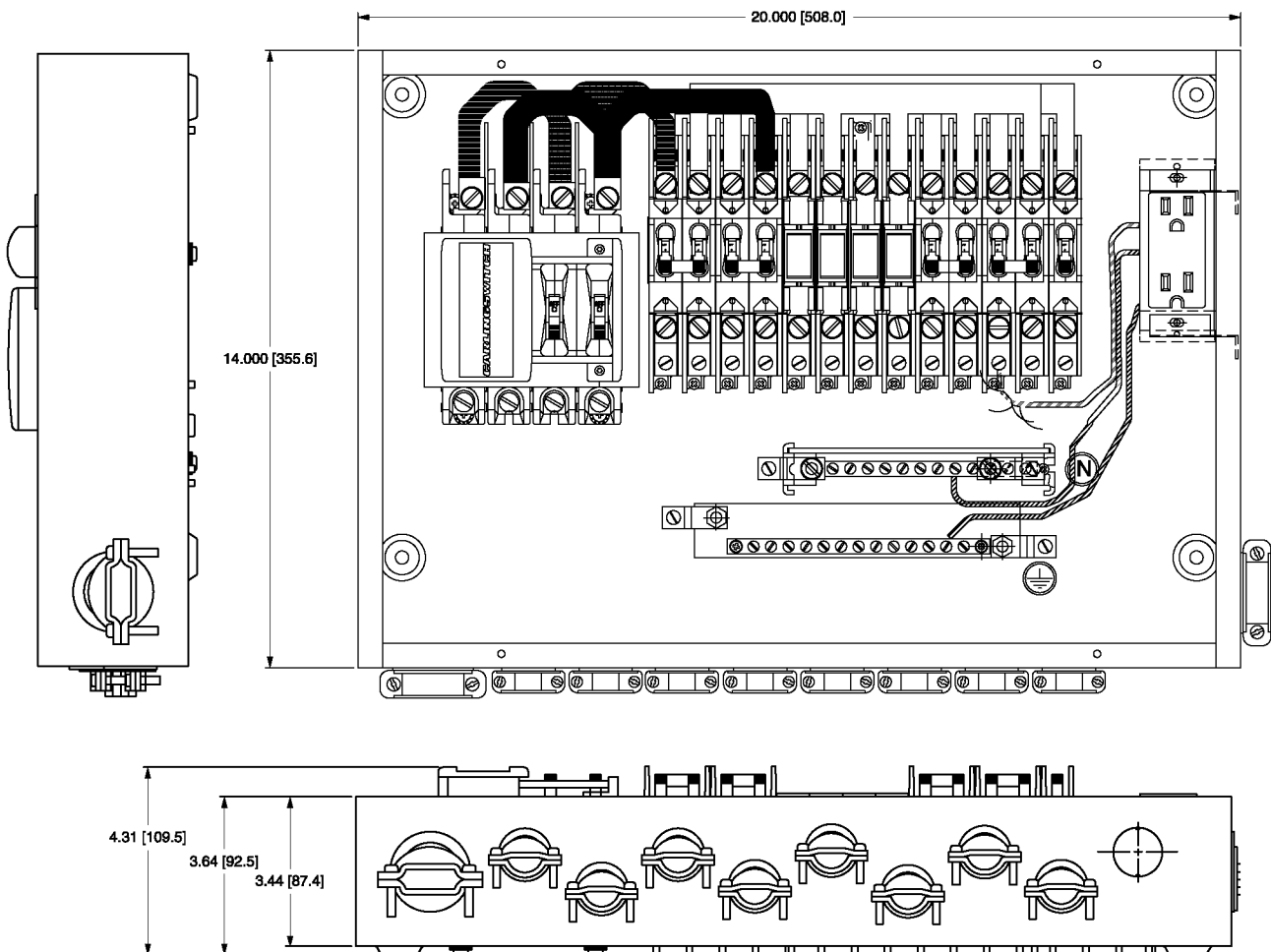
<b>10 TWO POLE BREAKER RATING</b>	
<b>15</b>	15 amps

<b>11 SINGLE POLE BREAKER RATING</b>			
<b>00</b>	No breaker	<b>20</b>	20 amps
<b>05</b>	5 amps	<b>25</b>	25 amps
<b>10</b>	10 amps	<b>30</b>	30 amps
<b>15</b>	15 amps	<b>35</b>	35 amps
<b>40</b>	40 amps	<b>45</b>	45 amps
<b>50</b>	50 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



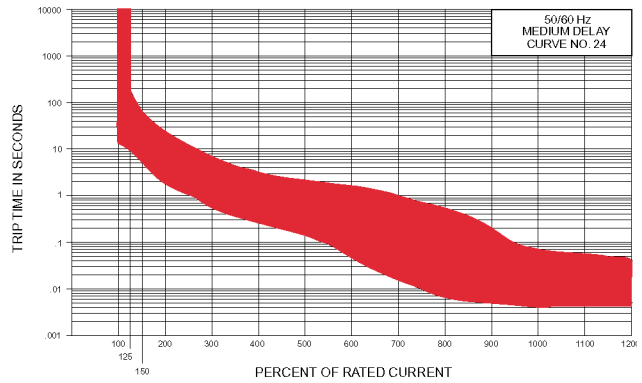
**Circuit Breakers**

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

TRIP TIME (SECONDS)		C-SERIES TIME DELAY VALUES									
		PERCENT OF RATED CURRENT									
Delay	24	100%	125%	135%	150%	200%	400%	600%	800%	1200%	
		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**

