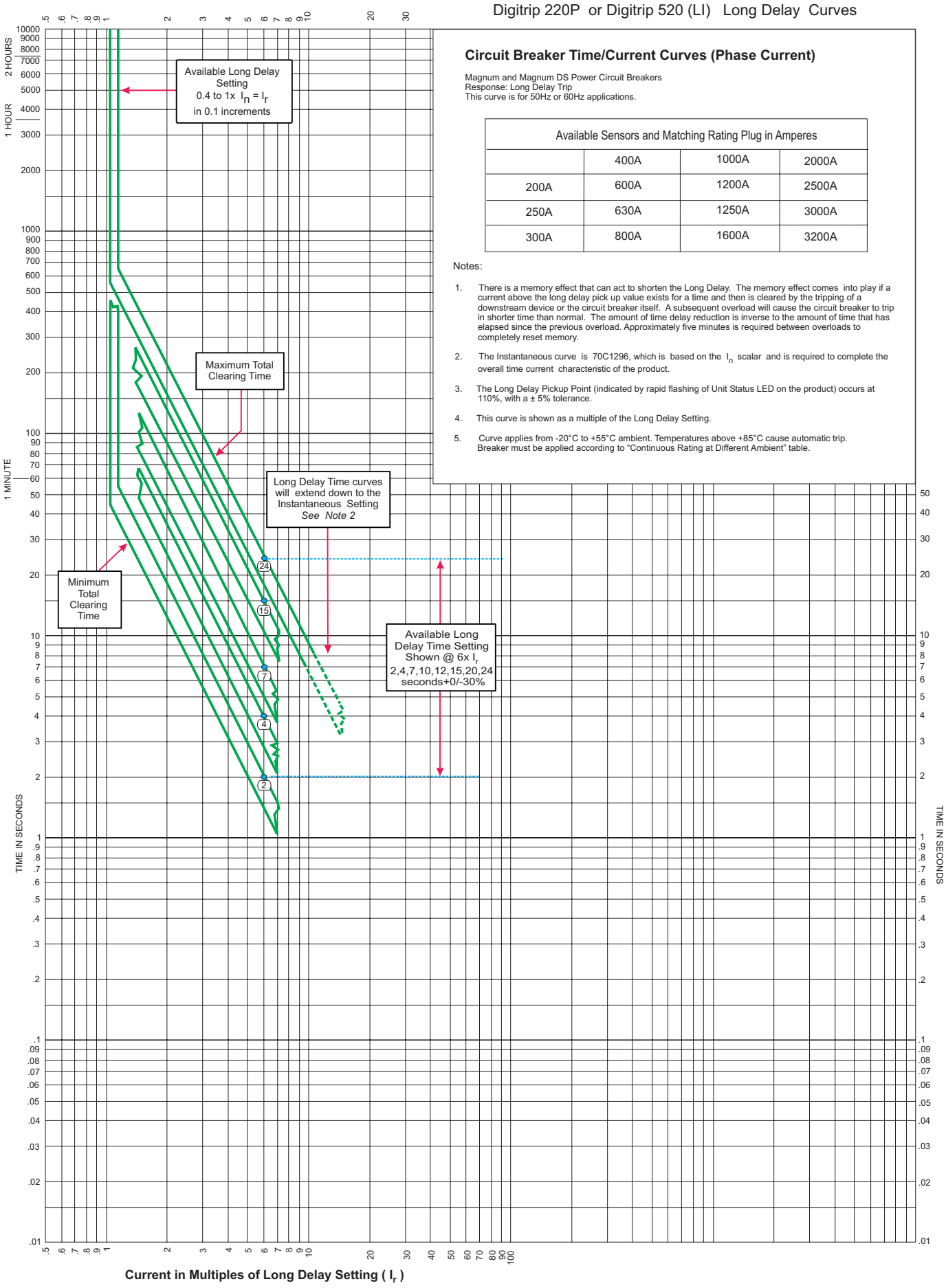
Digitrip 220P or Digitrip 520 (LI) Long Delay Curves



Circuit Breaker Time/Current Curves (Phase Current)

Magnum and Magnum DS Power Circuit Breakers
Response: Long Delay Trip
This curve is for 50Hz or 60Hz applications.

Available Sensors and Matching Rating Plug in Amperes			
	400A	1000A	2000A
200A	600A	1200A	2500A
250A	630A	1250A	3000A
300A	800A	1600A	3200A

Notes:

1. There is a memory effect that can act to shorten the Long Delay. The memory effect comes into play if a current above the long delay pick up value exists for a time and then is cleared by the tripping of a downstream device or the circuit breaker itself. A subsequent overload will cause the circuit breaker to trip in shorter time than normal. The amount of time delay reduction is inverse to the amount of time that has elapsed since the previous overload. Approximately five minutes is required between overloads to completely reset memory.
2. The Instantaneous curve is 70C1296, which is based on the I_n scalar and is required to complete the overall time current characteristic of the product.
3. The Long Delay Pickup Point (indicated by rapid flashing of Unit Status LED on the product) occurs at 110%, with a ± 5% tolerance.
4. This curve is shown as a multiple of the Long Delay Setting.
5. Curve applies from -20°C to +55°C ambient. Temperatures above +85°C cause automatic trip. Breaker must be applied according to "Continuous Rating at Different Ambient" table.