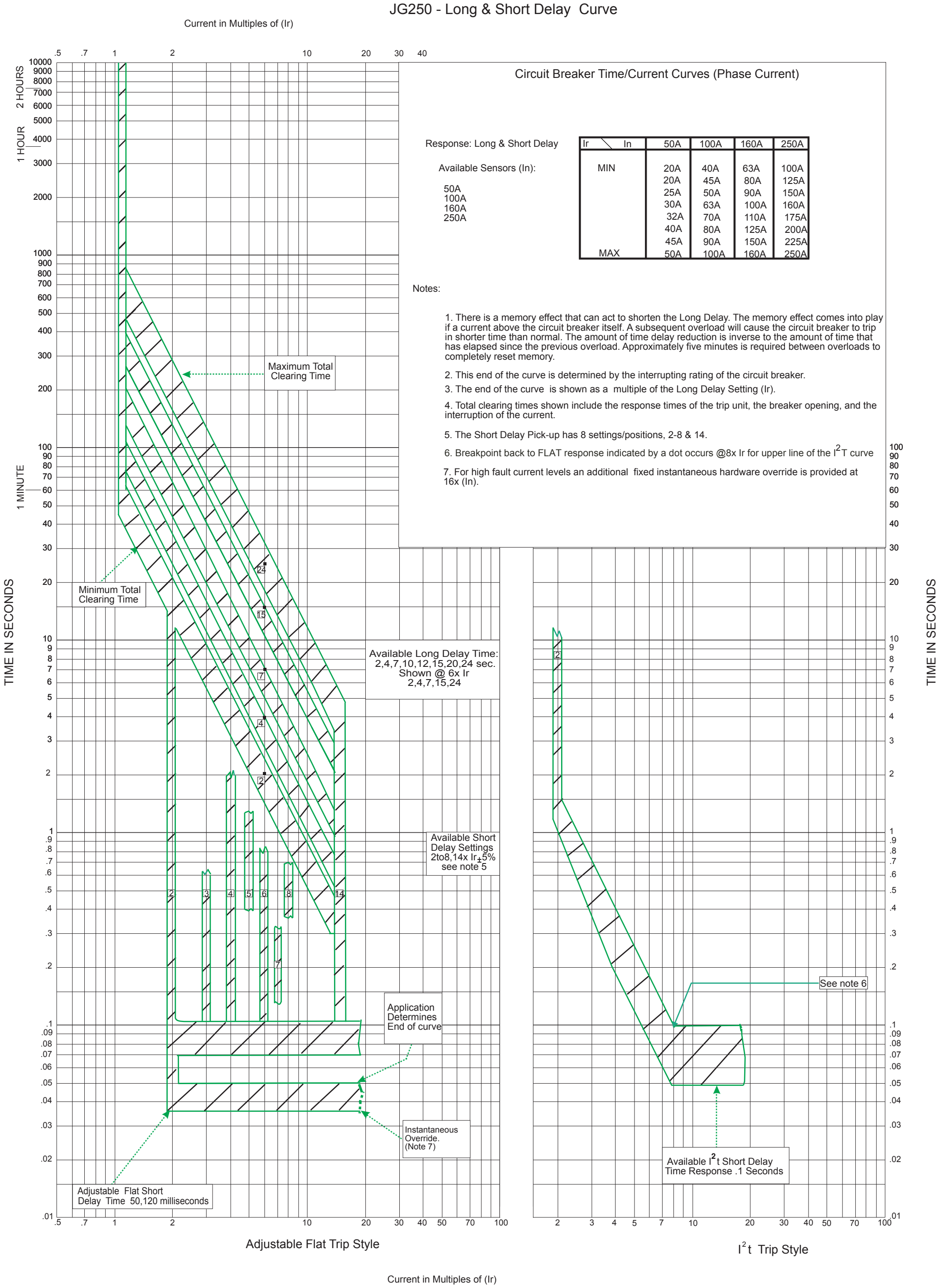
EATON | Cutler-Hammer

JG250 - Long & Short Delay Curve



Circuit Breaker Time/Current Curves (Phase Current)

Response: Long & Short Delay

Available Sensors (In):

50A
100A
160A
250A

Ir \ In	50A	100A	160A	250A
MIN	20A	40A	63A	100A
	20A	45A	80A	125A
	25A	50A	90A	150A
	30A	63A	100A	160A
	32A	70A	110A	175A
	40A	80A	125A	200A
	45A	90A	150A	225A
MAX	50A	100A	160A	250A

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 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. This end of the curve is determined by the interrupting rating of the circuit breaker.

3. The end of the curve is shown as a multiple of the Long Delay Setting (Ir).

4. Total clearing times shown include the response times of the trip unit, the breaker opening, and the interruption of the current.

5. The Short Delay Pick-up has 8 settings/positions, 2-8 & 14.

6. Breakpoint back to FLAT response indicated by a dot occurs @8x Ir for upper line of the I^2T curve

7. For high fault current levels an additional fixed instantaneous hardware override is provided at 16x (In).

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