

This circuit diagram of the Meade 2080-LX3 base was supplied to me by Meade in the early 1990s. I used to have a diagram of the hand box but can no longer locate it.

Note that the output of the MM5369AA/N is a square wave with 45% duty cycle. My recollection is that there is a resistor in series with one half of the transformer, not shown on this diagram, to prevent saturation during the longer "half" of the wave.

The hand box contains a 555-based RC oscillator which can be synchronized with the internal sidereal-rate frequency or allowed to free-run for a variable rate. See [www.ai.uga.edu/mc/alcor.html](http://www.ai.uga.edu/mc/alcor.html) for a microprocessor-based replacement for it.

- Michael Covington, [www.covingtoninnovations.com/astro](http://www.covingtoninnovations.com/astro), 2004 September 17

