11-2. AE Sensor

In the Auto Exposure Mode, the AE Sensor on AE Sensor Board PWB-H measures the intensity of the light reflected off the original, by sampling the black/white ratio of a 210-mm-wide area of the original being measured. According to this measurement, the Exposure Lamp voltage is automatically increased or decreased so that copies of consistent quality are produced.

The output from the AE Sensor is applied to PWB-A which, in turn, varies the duty ratio of the AVR Remote which varies the LA1 voltage accordingly.

Original Density (B/W Ratio)	High	Low
Intensity of Reflected Light	Low	High
PWB-H Output	High	Low
AVR Duty	Increased	Decreased
LA1 Voltage	Increased	Decreased

	Control Signal	**ON**	**OFF**	**WIRING DIAGRAM**
PWB-H (AE Sensor)	PWB-A PJ3A-2	Pulse output		12-B
AVR Remote Signal (PWB-J)	PWB-A PJ8A-13	L	H	45-H