

ABSTRACT**WEIGHT DETECTING APPARATUS FOR ELEVATOR**

A weight detecting apparatus for an elevator is capable of correcting an error in a signal indicative of passenger weight, occurring due to variations in characteristics of an anti-vibration rubber and a differential transformer, thereby achieving a correct weight detection. The apparatus includes a load detection data unit for outputting load detection data, a maximum/minimum value detection unit for recording a maximum value and a minimum value of the load detection data, an idle detection unit for outputting load detection data indicative of the idle state, a first comparator (4) for outputting an error (ENL) in load detection data generated at the idle state and a variation (CENL) in the error, an error correcting processing unit (50) for determining a first correction value for correcting the error and the error variation from the output signal of the first comparator, slope operation unit (60) for providing a characteristic slope from the load detection data outputted from the load detection unit, a second comparator (70) for outputting an error (E θ) in slope of the characteristic of the differential transformer and a variation (CE θ) in the slope error, and a slope correcting processing unit (80) for determining a second correction value for correcting the slope error and the slope error variation from the output signal of the second comparator.

(Figure. 4)