



The Variation of Resistances with Atmospheric Humidity (Classic Reprint) (Paperback)

By E B Rosa

Forgotten Books, United States, 2017. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****. Excerpt from The Variation of Resistances With Atmospheric Humidity The possibility of these changes being due to atmospheric humidity suggested itself, but it was not at first evident how an increase of resistance could be produced by an increase of humidity. The effect of leakage arising from moisture deposited on the coils or upon the tops of resistance boxes is of course to decrease the resistance, and this effect would increase with the humidity. In order to ascertain the cause of the marked change in the opposite direction, to determine its magnitude, and to find how to prevent it, we took up last November a systematic study of the question. It was very soon found that changes such as occurred during an interval of six months in the atmosphere of the laboratory could be induced in a few days by placing the resistances in a closed case in which an atmosphere of high humidity was maintained, although it usually required several weeks for the resistance of a coil to reach a maximum, or to return to its former value when restored...

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