

ABSTRACT
DISCHARGE DETECTION DEVICE

5 A discharge detection device of the present invention is configured to be
capable of detecting a discharge phenomenon via wiring, including: a noise detection
section electrically connected to the wiring and configured to allow a noise component
generated by the discharge phenomenon to be input via the wiring and configured to
output the noise component if the noise component has a predetermined frequency or
more; and an arithmetic section configured to determine whether a level of the noise
10 component is high by comparing the level of the noise component with a threshold,
wherein the arithmetic section counts the number of occurrence of the discharge
phenomenon if the level of the noise component is determined to be high, and performs
a control process selected based on the number of occurrence of the discharge
phenomenon.