

ENTRY DETECTION SYSTEM

ABSTRACT

5 In an entry detection system for detecting an object entering a predefined region, detection of an object that is allowed to enter the region is appropriately disabled. An entry detection system (10) for detecting an object (B) entering a region (E2) includes: an entry detection sensor (5) configured to detect whether or not a part of the object (B) is present within an entry
10 detection plane (P); a muting sensor section (3) including a first unit (1) and a second unit (2); and a control unit (7). The control unit (7) disables the entry detection sensor (5) in response to at least one of a first detection state (ST1) and a second detection state (ST2) being established, the first detection state (ST1) being a state in which the first unit (1) provided on a passing direction-
15 first side (Y1) of the entry detection plane (P) detects the object (B), and the second detection state (ST2) being a state in which the second unit (2) provided on a passing direction-second side (Y2) of the entry detection plane (P) detects the object (B).

20 [Figure 3]