

RoamAlert ECO Door Controller

The RoamAlert ECO Door Controller monitors an exit from a facility with the RoamAlert® ECO wander prevention system. The system provides freedom of mobility to residents in senior care facilities, while ensuring that they remain safe.

The Controller generates an exciter field, which defines the door coverage area for resident tags. When a tag enters the Controller's exciter field while the door is open a Wander alarm is generated; if the door is closed, the Controller can activate a maglock to hold the door securely shut. The Door Controller may be bypassed by entering a code on the nearby keypad.



Two Door Controller models are available, depending on the kind of installation:

- RoamAlert ECO Door Controller (part no. SR3RZ02)
- RoamAlert ECO Door Controller with Surface Mount Antenna (part no. SR3RZ02E)

The two models have the same functionality, and include: exciter antenna (for exits up to 20 ft. wide), keypad, two surface-mount door contacts, 24 V/1.5 A power adapter.

Optional Components

VeriChip offers additional Exciter Antennas to cover very large openings (greater than 20 ft. wide).

Exciter Antenna	AR2SE01-OPK	
Surface Mount Antenna	AR2SE01-LPK	



Features

- Monitors exits to prevent unauthorized tag egress
- Door bypass features allow staff to escort residents without generating alarms
- Integrates with existing access control and CCTV equipment
- Maglock output rated for 1A @ 24 VDC

RoamAlert ECO Door Controller Specifications		
	SR3RZ02	SR3RZ02E
Input Frequency	433.92 MHz	
Output Frequency	307 kHz	
Input Voltage	24 VDC @ 1.5 A	
Current Draw	Door Controller: 300 mA 12 V Output: 200 mA Maglock Output: 1000 mA	
Maglock Supply Voltage	24 VDC @ 1.0 A	
Relay Outputs (2)	2 A, 30 VDC Form C dry contact	
Operating Temperature	32° to 131°F (0° to 55°C)	
Storage Temperature	-22° to 140°F (-30° to 60°C)	
Dimensions	Door Controller: 7" x 9.5" x 3" (17.8 x 24.1 x 7.6 cm) Antenna: 12" x 1.5" x 1.5" (30.5 x 3.8 x 3.8 cm) Keypad: 4.5 x 2.75 x 2.5" (11.4 x 6.9 x 6.4 cm)	Door Controller: 7" x 9.5" x 3" (17.8 x 24.1 x 7.6 cm) Antenna: 18" x 4" x 3.25" (46 x 10 x 8.3 cm) Keypad: 4.5 x 2.75 x 2.5" (11.4 x 6.9 x 6.4 cm)

Typical Installation

The following diagram shows a typical installation. The Exciter is placed above or beside the door to be protected, and the Door Controller is installed out of view above a drop ceiling. A Keypad is placed on the facility side of the door to enable staff to bypass the exit or accept alarms; a second Keypad may be placed on the other side so that staff can escort residents back inside the facility.

Door contacts are required to indicate the open/close status, and a maglock may be installed to lock the door when a monitored resident approaches. Power is typically supplied by a Central Power Supply, but may also be supplied locally.

