

Data Sheet:

RoamAlert® ECO Door Controller

The ECO (Economy) Door Controller monitors an exit in a facility using the RoamAlert wander prevention system. The system provides freedom of mobility to residents in senior care facilities, while helping to ensure that they remain safe.

The Controller generates an exciter field which defines the door coverage area for resident and other 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; selection depends on installation requirements:

- RoamAlert ECO Door Controller (part no. SR3RZ02)
- RoamAlert ECO Door Controller without keypad or power supply (part no. SR3RZ02NK)

The two models have the same functionality, and each includes an exciter antenna (for exits up to 20 ft. wide), and two surface-mount door contacts.



ECO Door Controller Specifications

Part Numbers	SR3RZ02 and SR3RZ02NK
Model	ECO Door Controller
Input Frequency	433.92 MHz
Output Frequency	307 kHz
Input Voltage	24 VDC @ 1.5 A
Current Draw	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	Controller: 7" x 9.5" x 3" (17.8 x 24.1 x 7.6 cm) Antenna: 13"L x 2.5"W x 1.5"H (33 x 6.3 x 3.8 cm) Height with surface mount cover: 1.7" (4.5cm) Keypad: 4.5 x 2.75 x 2.5" (11.4 x 6.9 x 6.4 cm)

Product Highlights

- 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

Optional Components

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

Optional Components	
Exciter Antenna (both regular and surface-mounts supplied with antenna)	804A3001



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, typically 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 open/close status, and a maglock may be installed to lock the door when a monitored resident approaches. Power is normally supplied by a CPS (central power supply), but may also be supplied locally.

