

20171634er

1  
2 An act relating to residential elevators; amending s.  
3 399.031, F.S.; requiring that an elevator controller  
4 be capable of monitoring the closed and locked  
5 contacts of the hoistway door locking device;  
6 requiring that the elevator controller be capable of  
7 interrupting the power for the motor and brake for a  
8 hoistway door locking device under certain  
9 circumstances; prohibiting an elevator car from being  
10 restarted until certain conditions are met; requiring  
11 a visual indicator to be visible at all landings under  
12 certain circumstances; deleting a requirement that the  
13 underside of the platform of an elevator car be  
14 equipped with a specified device; deleting  
15 requirements for such devices; deleting a requirement  
16 that manual reset of an elevator resume before  
17 downward motion is allowed; requiring the Florida  
18 Building Commission to adopt certain provisions  
19 relating to residential elevators into the Florida  
20 Building Code by a specified date; providing an  
21 effective date.

22  
23 Be It Enacted by the Legislature of the State of Florida:

24  
25 Section 1. Subsection (3) of section 399.031, Florida  
26 Statutes, is amended to read:

27 399.031 Clearance requirements between elevator doors for  
28 elevators inside a private residence.—

29 (3) During normal operation, the elevator controller must

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30 monitor the closed and locked contacts of the hoistway door  
31 locking device, whether electrical or mechanical. If the closed  
32 and locked contacts of the landing locks are open while the car  
33 is not in the unlocking zone for the hoistway door locking  
34 device, the elevator controller must interrupt power to the  
35 motor and brake and must not allow the elevator car to restart  
36 until the owner or the owner's agent, with a master elevator  
37 key, has checked for obstructions above and below the elevator  
38 car, returned the hoistway door locking device contacts to the  
39 normal operating position, and manually reset the elevator  
40 controller with the master elevator key. Additionally, a visual  
41 indicator must be visible at all landings until the hoistway  
42 door locking device has been returned to the normal operating  
43 position and the elevator controller has been manually reset ~~The~~  
44 ~~underside of the platform of an elevator car shall be equipped~~  
45 ~~with a device that, if the platform of the elevator car is~~  
46 ~~obstructed anywhere on its underside in its downward travel,~~  
47 ~~interrupts the electric power to the driving machine motor and~~  
48 ~~brake, if provided, and stops the elevator car's downward motion~~  
49 ~~within 2 inches. The stroke of the device may not be less than~~  
50 ~~the stopping distance of the platform of the elevator car. The~~  
51 ~~force required to operate the device may not exceed 15 pounds.~~  
52 ~~Downward motion shall be permitted to resume only after the~~  
53 ~~elevator has been manually reset.~~

54 Section 2. The Florida Building Commission shall, by  
55 October 1, 2017, adopt into the Florida Building Code pursuant  
56 to s. 553.73(8), Florida Statutes:

57 (1) A provision authorizing the permanent installation of a  
58 nonremovable, hoistway door space guard in order to comply with

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59 section R321.4.1(c)2-5 of the Florida Building Code, 5th Edition  
60 (2014) Residential. The door space guard must be designed and  
61 installed to withstand a force of 75 pounds applied horizontally  
62 using a 4-inch-diameter sphere at any location within the folds  
63 on the car door without permanent deformation.

64 (2) Section 399.031, Florida Statutes, relating to  
65 clearance requirements between elevator doors for elevators  
66 inside a private residence.

67 Section 3. This act shall take effect July 1, 2017.