

By Senator Steube

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1                   A bill to be entitled  
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:

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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 either the  
32 closed and locked contacts of the landing locks or the car gate  
33 contacts are open while the car is not in the unlocking zone for  
34 the hoistway door locking device, the elevator controller must  
35 interrupt power to the motor and brake and must not allow the  
36 elevator car to restart until the owner or the owner's agent,  
37 with a master elevator key, has checked for obstructions above  
38 and below the elevator car, returned the hoistway door locking  
39 device contacts to the normal operating position, and manually  
40 reset the elevator controller with the master elevator key.

41 Additionally, a visual indicator must be visible at all landings  
42 until the hoistway door locking device has been returned to the  
43 normal operating position and the elevator controller has been  
44 manually reset ~~The underside of the platform of an elevator car~~  
45 ~~shall be equipped with a device that, if the platform of the~~  
46 ~~elevator car is obstructed anywhere on its underside in its~~  
47 ~~downward travel, interrupts the electric power to the driving~~  
48 ~~machine motor and brake, if provided, and stops the elevator~~  
49 ~~car's downward motion within 2 inches. The stroke of the device~~  
50 ~~may not be less than the stopping distance of the platform of~~  
51 ~~the elevator car. The force required to operate the device may~~  
52 ~~not exceed 15 pounds. Downward motion shall be permitted to~~  
53 ~~resume only after the 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.