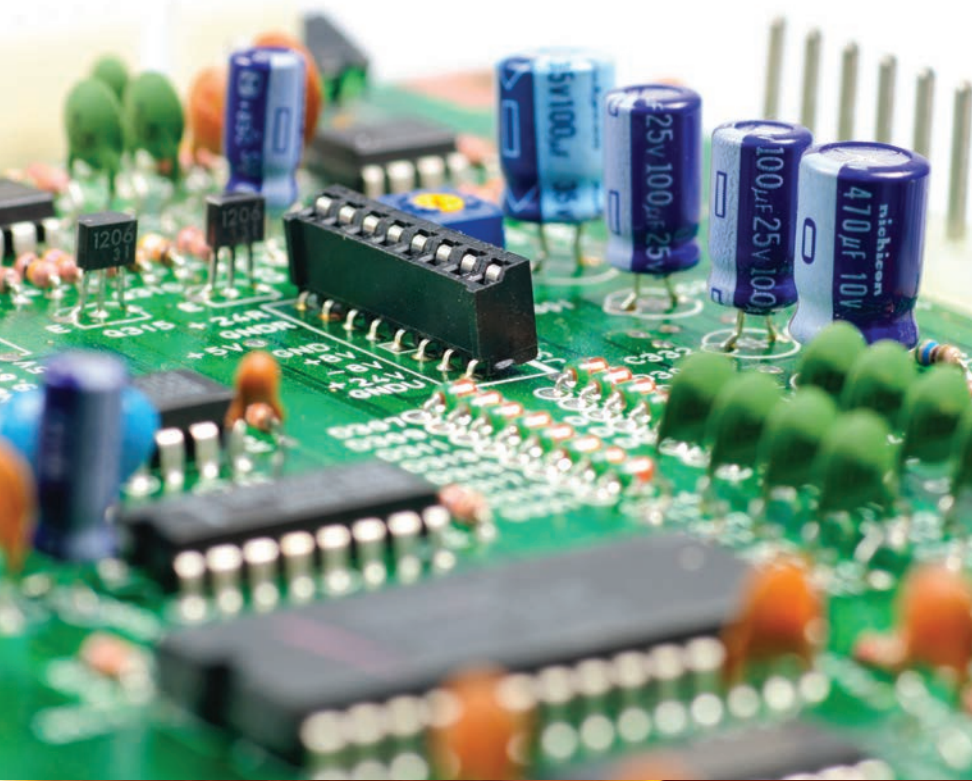


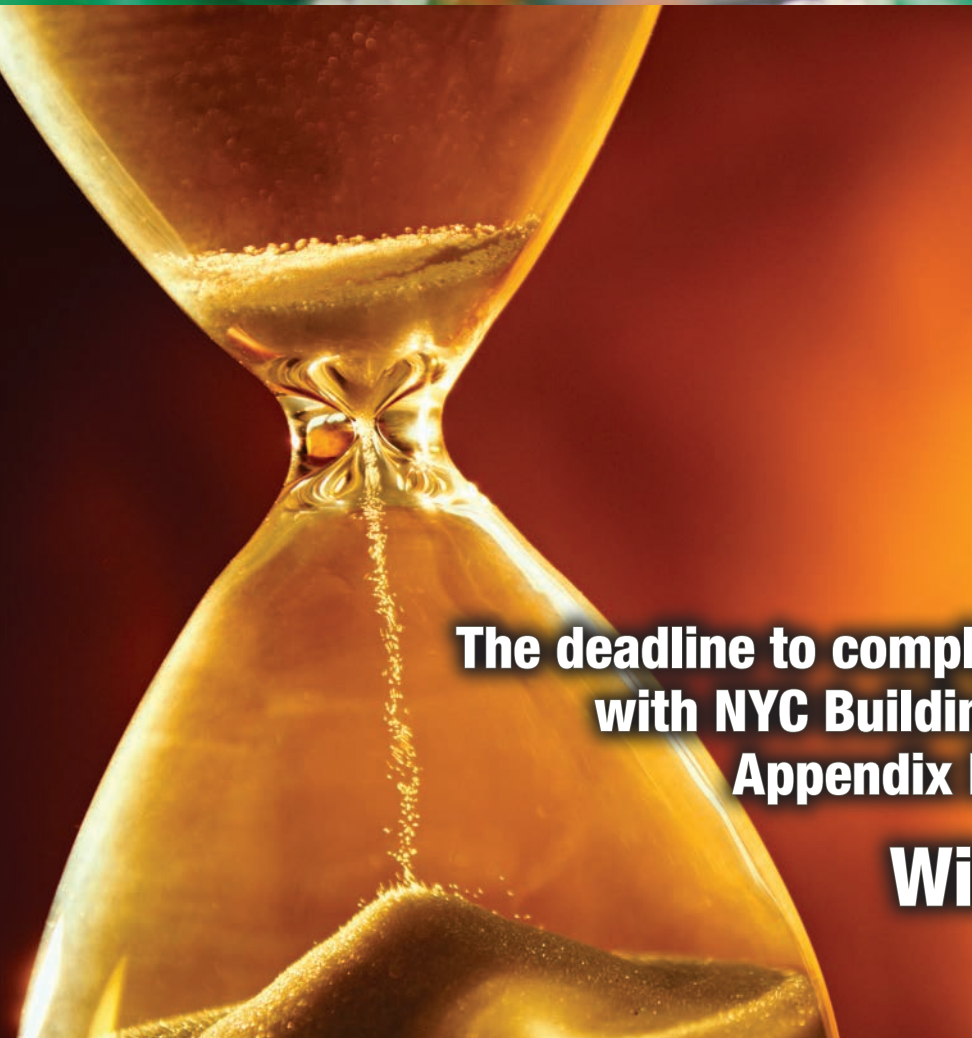


www.gal.com



FM1

The **original** fault monitor designed to detect jumped or faulty elevator door circuits



**The deadline to comply
with NYC Building Code 3.10.12,
Appendix K is Jan. 1, 2020**

Will you be ready?



FM1: The Industry's First Door Contact Fault Monitor Circuit.



When one considers the scale of the challenge due to recent NYC Elevator Code changes and the short deadline, choosing FM1 is the logical choice.

In 1978 Walter Glaser of GAL Manufacturing designed, patented and manufactured the industry's first door contact fault monitor circuit. Since it received its second patent in 1995, over 10,000 FM1 units have been sold worldwide. Today FM1 is a key component in all GAL Controller designs and its Non-Proprietary Universal design allows FM1 to be used in a wide variety of other Controllers (Relay, PLC Logic and Solid-State Logic) throughout the industry.

By 2020 ALL NYC Elevators Must Utilize A Door Contact Fault Monitor To Comply With Code.

Due to changes to the NYC Elevator Code (2.26.5 and 3.10.12, Appendix K) all elevators must utilize a Door Fault Monitor by 2020 to be in compliance. When either jumped or faulty door circuits are detected the door fault monitor must:

- **provide an alarm relay (as an audible or visual fault indicator)**
- **prevent door closure (or reopen car doors if a door fault is detected during closing)**
- **halt car movement until the fault (including faulty door contact, hoistway door interlock contacts, or both sets of contacts of a swing door interlock) has been cleared.**

FM1 Is Available In All GAL Controllers And Has Been Used Successfully In Many Non-GAL Controllers Throughout The World.

Not only is FM1 readily available from GAL—a New York City presence the elevator industry has trusted since 1927—it also provides professionals with the capability to utilize FMG1 (to detect unintended car movement and ascending/descending over-speed conditions) and the Hollister-Whitney Rope Gripper™.

This makes FM1 even more of an attractive solution for NYC professionals looking to take care of 2020 and 2027 Compliance issues. Call us today and let us tailor a solution to fit your needs.



FM1 offers NYC elevator industry professionals a solid solution to meet 2020 compliance issues with NYC Elevator Code 2.26.5 and 3.10.12, Appendix K.



FM1 interfaces with FMG1, providing the ability to fully utilize the Hollister-Whitney Rope Gripper® and comply with 2027 NYC Elevator Code provisions.

FM1: Features

- **Detects jumped or faulty door circuits and prevents car movement in the event of door failure (permitting simple system compliance with provisions of NYC Building Code 2.26.5 and 3.10.12, Appendix K—required by 2017).**

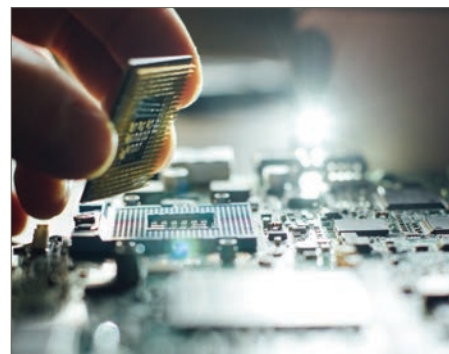
- **Separate commons for different circuits.**
- **Universal inputs (24V-250 VAC or DC).**
- **On-board diagnostics/troubleshooting LEDs.**
- **Alarm relay permits audible or visual indication of presence of fault.**

FM1: Benefits

- **Prevents any movement of car in event of door failure and doors remain open until the fault is cleared.**
- **Interfaces with existing GAL Controllers and Universal Inputs permit application with wide range of additional Controllers (ask for details).**
- **Provides system hardware redundancy.**
- **Compatible with optional add-on FMG1 (Rope Gripper® Control Board and use with Hollister-Whitney Rope Gripper® permitting easy compliance with NYC Building Code Section 2.19 by 2027 deadline).**

FM1: Electrical Specifications

- **Utilizes power supply from existing Controller (110-240 VAC).**



GAL manufactures FM1 and FMG1 in its advanced Bronx, NY facilities.

FM1

The **original** monitor designed to detect jumped or faulty door circuits and prevent elevator car movement