GENERATOR START INHIBIT DEVICE (GSID)

AF000408 | SINGLE PHASE

Revision: 5.0 | September 2026

OVERVIEW

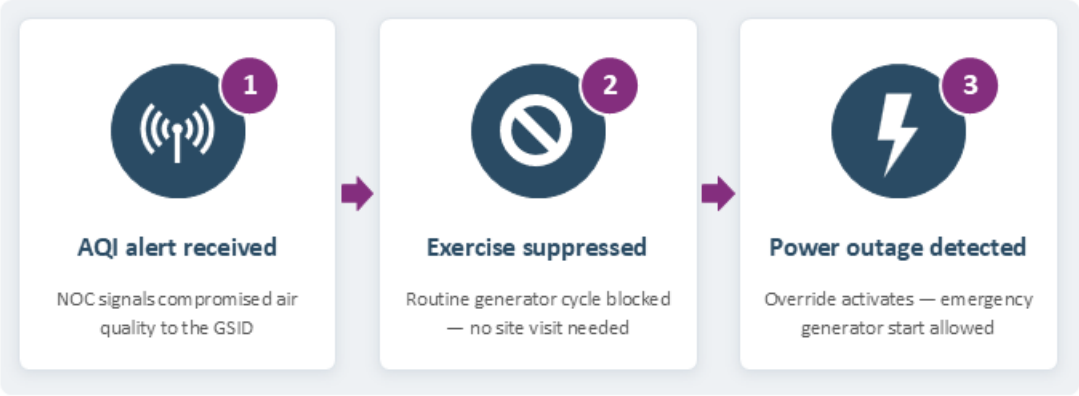
Featuring patented technology (U.S. Patent No. 12,695,402), the Generator Start Inhibit Device (GSID) is an IoT-enabled controller that prevents routine generator exercise cycles from running during periods of compromised air quality — helping telecom operators avoid fines under environmental protection regulations without requiring on-site reprogramming. When a true power outage or brownout is detected, the device automatically overrides the inhibit signal so emergency generator operation is never blocked. An essential compliance tool for telecom shelters, outdoor DAC enclosures, and any equipment site with a standby gas generator.



FEATURES

- **Two Operating Modes** —Remote Inhibit (IoT) and Local Inhibit (manual switch)
- **Manual Switch for Local Inhibit** —On-site override without reprogramming the ATS
- **Continuous Power Monitoring** — Sensor continuously monitors commercial power
- **Commercial Power Loss Override** — Automatically overrides inhibit on full outage
- **Brownout Override** — Detects below-threshold voltage; allows emergency start
- **Time Delay After Power Restoration** — Configurable delay before inhibit resumes
- **External Indicator Lamp** — Visual indication when exercise is inhibited
- **NC Feedback Contact** — Status feedback to optional IoT device
- **Power Fail / Brownout Alarm** — Alerts on power failure or brownout
- **Failsafe Design** — Defaults to allow generator start; emergency operation never blocked
- **Single-Phase Design** — For sites with single-phase power infrastructure
- **IoT Optional** — Fully functional with manual switch alone; IoT adds remote capability
- **Multi-Carrier Ready** — Compatible with all major U.S. carrier networks (AT&T, Verizon, T-Mobile) via SIM installation

HOW IT WORKS



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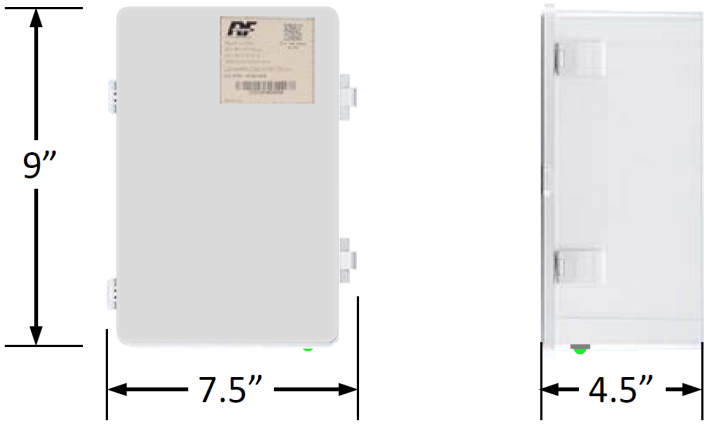
SPECIFICATIONS

	Min.	Typ.	Max.	Unit
Input Voltage AC	195	208/240	254	VAC
Delay After Power Restore[1]	0.1		3	Min
Brownout Cutoff			180	VAC
Brownout Power Restore	190			VAC
Delay After Brownout Ends[2]	5		90	Sec
Power Consumption			5.5	W
Operating Temperature	-40		65	°C
Storage Temperature	-50		90	°C
Relative Humidity	5		95	%
IoT Voltage		12V		VDC
IoT Current		130	400	mA

[1] Optional Time Delay — requires DIP switch change | [2] Optional Random Delay — requires DIP switch change

Feedback to IoT Device	Normally Closed (NC), Open when Inhibited
U.S. Patent No. 12,695,402 B2	Generator Inhibit Switch. Issued July 28, 2026.
Certifications	UL 60730-1, UL E22575, UL File: E65390, UL 5085-1 and 3 (formerly UL1585), Class 2/3, UL-50 Type 1, UL flammability rating 94 V2, UL E19180, UL E69654, UL E340667

DIMENSIONS (INCHES)



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RF Industries (RFI) designs and manufactures a broad range of interconnect products across diversified, growing markets including wireless/wireline telecom, data communications and industrial. Our products include RF connectors, coaxial cables, data cables, wire harnesses, fiber optic cables, custom cabling, energy-efficient cooling systems and integrated small cell enclosures.

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