GSID SERIES QUICK FACTS

AF000408 | AF000408-3P | Generator Start Inhibit Device

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Pause generator test runs during air quality alerts.

No site visit. No ATS reprogramming.

THE PROBLEM

Many US states fine operators for running generator exercise cycles during air quality alerts — even when the generator kicked on automatically. For operators managing dozens of remote, unstaffed sites, manually adjusting every ATS (Automatic Transfer Switch) when an alert is issued isn't feasible. The result is compliance exposure that's hard to prevent with conventional tools.

THE SOLUTION

The GSID is a patented analog circuit that connects between the NOC (or an optional IoT device) and the generator's ATS. When an air quality alert is active, the NOC sends a signal — the GSID pauses the exercise cycle automatically. If a real outage occurs, the device overrides the inhibit so the generator starts normally. Emergency operation is never blocked.

⚠ **Fines vary widely by state and violation type.** Non-compliant generator exercise during an air quality alert can result in substantial daily penalties. EPA violations under the Clean Air Act can reach tens of thousands of dollars per day, per violation. *One incident can cost far more than deploying the GSID across an entire site portfolio.*

THE BUSINESS CASE

<$1000* per site (plus installation) — **GSID unit cost**

1 incident can exceed the cost of full deployment — **ROI reality**

150+ units deployed with initial operator partner — **Proven in the field**

$0 ATS reprogramming or site visits required — **Operational savings**

HOW THE GSID FITS IN

- 📡 **NOC / IoT device** sends inhibit signal
- 🔲 **GSID** receives signal; pauses exercise cycle
- ✅ **ATS** remains untouched; no reprogramming
- ⚡ **Power outage?** Override activates automatically
- 🔋 **Emergency start** proceeds normally — always

DEPLOYMENT CONTEXTS

Telecom shelters & machine rooms
Mission critical facilities with emergency generators
Equipment cabinets/rooms with standby generators
Any unmanned site with an automatic ATS

WHO IT'S FOR

- **Wireless carriers** (Tier 1 and regional)
- **Broadband operators** with distributed infrastructure
- **Tower companies** managing multi-tenant sites
- **Enterprise & campus operators** with backup power
- **Fixed emergency generator installer/operator/owner**

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Generator Inhibit Switch
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* Single-phase pricing; 3-phase unit pricing varies — contact us for a quote.