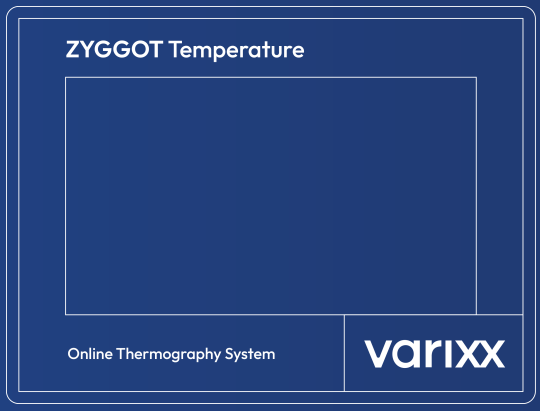
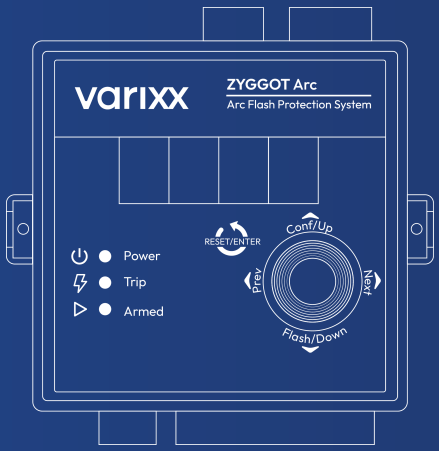
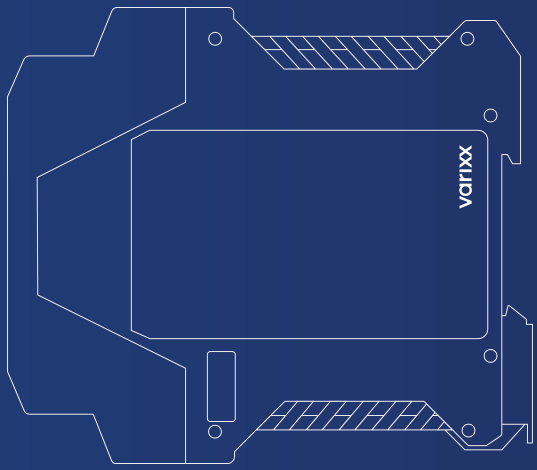
ZYGGOT® Solutions

Varixx Monitoring and Protection Systems







varixx

VARIXX HQ
2929 Allen Parkway, Suite 200,
Houston, 77019

Arc Flash Mitigation Systems and Integrated System

ARC SPL

ZYGGOT® ARC SPL is a cost-effective arc flash protection system using ultra-fast UV detection (<300 µs) to cut incident energy by up to 150x. It supports up to 50 sensors, needs no extra relays, and integrates via Modbus. Reliable, compact, and CE-compliant, it ensures high safety with simple installation.

ARC (VZA)

ZYGGOT® Arc features ultra-fast UV detection (300 µs), with a dedicated relay and local interface for direct operation and monitoring.

ARC V5FA

Combines ultra-fast UV detection (300 µs) with a touch-screen relay for local configuration and monitoring. It supports up to 40 arc triggers, allowing selectivity across 40 independent protection zones per relay, ensuring high flexibility and safety in medium- and high-voltage systems.

THM+ARC

Combines online thermographic monitoring and ultra-selective arc flash detection in a single compact relay. It monitors temperature (up to 100 sensors per relay) and detects arcs (up to 100 sensors per gateway), acting in under 300 µs, with support for multi-gateway selectivity (40 gateway per relay). Ethernet/Modbus integration.

Termography Systems

VZX

Monitors target and ambient temperature (up to 125 sensors) for low/medium voltage, with a conventional relay and Modbus (Profibus optional).

V5F

Same temperature monitoring capability (125 sensors), but with a touch-screen relay and advanced communication via Modbus and Ethernet/IP.

RADDIA TS

Wireless thermal monitoring system for transformers, motors, and LV/MV panels. It supports up to 125 radio sensors per relay, with configurable alarms/trips, Ethernet integration, and quick installation — no wiring or batteries needed.

SG

Cost-effective continuous temperature monitoring system that uses plug-and-play One-Wire sensors (up to 400 per gateway) with local display and Modbus / Ethernet integration.
It is ideal for MCC buckets / drawers, data centers, and busbar connections, providing real-time supervision and increased reliability without batteries or complex installation.

PRODUCT	KEY FEATURES	APPLICATION CONCEPT
Arc Flash Mitigation Systems		
 ARC SPL	Cost-effective arc flash protection with ultra-fast UV detection (<300 µs), up to 50 sensors, Modbus/Ethernet integration, no relay required.	Simple, cost-effective solution for switchgear and panels needing fast arc protection with easy installation.
 ARC (VZA)	300 µs UV detection with dedicated relay and local interface.	Reliable protection for low / medium / high voltage systems, where local
 ARC (VSFA)	Touch-screen relay, 300 µs detection, supports up to 40 arc triggers for zone selectivity.	Advanced solution for complex installations needing high flexibility and selectivity across multiple protection zones.
Termography Systems		
 VZX	Monitors target & ambient temperature (up to 125 sensors) with conventional relay, Modbus/Profibus.	Low and medium-voltage panels requiring continuous temperature monitoring and traditional comunications protocols.
 V5F	Same monitoring (125 sensors), but with touch-screen relay and Ethernet/Modbus/TCP-IP.	For modern/digital substations and panels requiring advanced connectivity and user-friendly local operation.
 RADDIA TS	Wireless thermal monitoring with up to 125 RF sensors, configurable alarms/trips, Ethernet integration, no wiring needed.	For modern substations and panels where cabling might be difficult or where standard sensors do not fit.
 SG	Cost-effective monitoring with self-addressing One-Wire sensors (up to 400 per gateway), local display, up to 5 comunication protocols.	For MCC buckets / drawers, data centers, and busbar connections.
 THM+ ARC	Combines online thermographic monitoring (100 sensors) and arc protection (<300 µs), supports multi- gateway selectivity (40 per relay), Modbus / Ethernet.	Integrated solution for critical assets needing both temperature monitoring and arc flash protection.

World-first Launch 2025: ZYGGOT® TOH (Continuous Thermal Monitoring + Ozone + Humidity).