

PERFECT SOLUTIONS FOR GAS ALARM SYSTEMS



Safe Ripening Chambers



Fixed Gas Alarm Systems

for the conservation and ripening process
of fruit and vegetables



Ripening in controlled atmosphere

Reliable monitoring of CO₂ / C₂H₄ / C₂H₄O and O₂ deficiency

Fresh fruit and vegetables are alive and continue to breathe after the harvest. This leads to oxygen consumption and the formation of carbon dioxide and water vapour. Keeping the products fresh means slowing down the process while maintaining the quality of the product. Gas sensors are just as important as the modern technology of the ripening chambers. They are required to permanently monitor the various gas concentrations involved in the ripening process. The sensors, controllers and warning

devices from MSR-Electronic protect people and equipment effectively and monitor the system as a central point of the entire process. Modern communication technology makes it possible to react quickly.

The innovative compact controller of the PolyGard®2 series from MSR-Electronic is designed for connecting up to 10 gas sensors via its own field bus, serves to warn of various gases and is therefore ideal for the application.

FEATURES AND BENEFITS

- Display for all displaying functions, configuration and calibration functions (no tool required)
- Fieldbus connection for up to 10 gas sensors (SB2-Units) with max. 900 m length
- Hardware and software according to SIL-compliant development process
- Modular technology (pluggable and exchangeable), reverse polarity and overload protected
- Internal function monitoring with integrated hardware watchdog
- 3 relays, 2 transistor outputs, 2 digital inputs
- Various housing types with IP65
- Warning buzzer and status LED for warning, fault, operation and service (optional)
- Operating voltage 230 V AC, with wide range input 100 to 240 V AC (optional), UPS (optional)



Compact Controller with SB2-Units

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