



STOP THE FIRE. SAVE THE BELT.

Automatic fire detection and suppression, engineered specifically for conveyor belts on mining and industrial sites

STOP SMALL FIRES. PREVENT BIG LOSSES.



SMALL FIRES

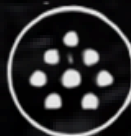
DON'T STAY SMALL



A JAMMED IDLER RUNNING HOT.



A MISTRACKED BELT GRINDING AGAINST STEEL.



COAL DUST SMOULDERING INSIDE A PULLEY HOUSING.

STOP SMALL FIRES. **PREVENT BIG LOSSES.**

FIREMATIC AFRICA

WET AGENT

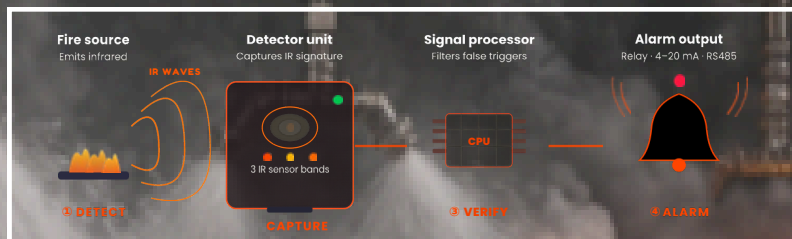
BUILT TO CATCH IT
AT THE EARLY STAGE,
BEFORE IT CAUSES DAMAGE.

PROTECT YOUR EQUIPMENT & SAVE LIVES!

HOW IT WORKS

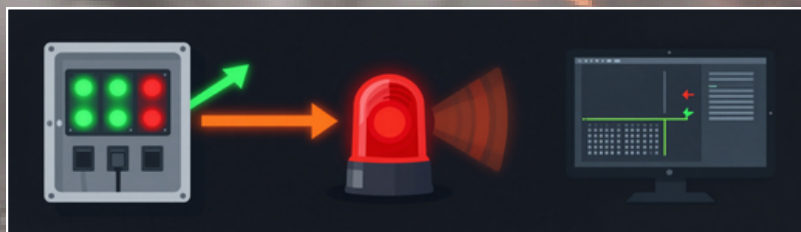
1 DETECT

IR3 flame detectors and heat-sensing detection tubing monitor the head and tail pulley around the clock, optimized to detect flame or unusual heat before it spreads.



2 ALERT

The Fire panel switches from green to red and the sounder beacon sounds, so the control room knows exactly what's happening and where - SCADA alerts the control room.



3 SUPPRESS

The Firematic Africa Wet Agent discharges automatically through the pipe network, to the nozzles straight onto the fire source. The system can also be activated manually.



THE DIFFERENTIATORS

WHY MINES CHOOSE THE FIREMATIC AFRICA WET AGENT

NON-TOXIC, 100% NATURAL, ENVIRONMENTALLY FRIENDLY, NON-CORROSIVE

The Firematic Africa Wet Agent rinses off with water alone. No hazmat response needed for a routine discharge, and no risk to your crew if contact occurs.

BUILT FOR THE BELT

Flame detectors, heat-sensing detection tubing and nozzles are placed exactly where conveyor fires start — at the head and tail pulley and other critical hazard points along the belt — not scattered across a generic layout.

DUAL DETECTION

Heat-sensing tubing detects any early overheating or abnormal temperature spikes, while flame detectors instantly catch active flames.

A CHECK ANYONE CAN DO

Green means go, red means stop. Every gauge is readable at a glance.

MADE IN AFRICA FOR AFRICA

Locally designed, manufactured and maintained by Firematic Africa, with over 25 years of experience protecting equipment and lives.



EARLY DETECTION.
RAPID RESPONSE.



COOLS, SOAKS,
& SMOTHERS.



MINIMISES DAMAGE.
REDUCES DOWNTIME.



PROTECTS EQUIPMENT.
SAFEGUARDS PEOPLE.

SYSTEM SPECIFICATIONS

Engineered System Design

Custom-engineered by certified Fire Engineers based on a comprehensive, site-specific conveyor risk assessment.

Suppression Commodity

Next-generation encapsulating wet chemical—100% biodegradable, non-toxic, non-corrosive, and leaves no residue on conveyors or product.

Propellant & Storage

Stand-alone nitrogen expellant system (stored pressure vessel fed by an 11 kg nitrogen cylinder with in-line regulator and check valve assembly). No external water supply required.

Fail-Safe Dual Detection

- Early Warning Thermal: Continuous pneumatic detection tubing (activates at 120°C for rapid heat mitigation).
- Optical Flame Detection: IR3 flame detectors wired to the central control panel for instantaneous open-flame response.

Activation & Interlock

Fully automatic pneumatic and/or manual actuator discharge. Automatically triggers the Conveyor Cut-Off Switch to halt belt movement on detection.

Distribution & Nozzles

Robust stainless steel pipework fitted with heavy-duty brass/stainless steel multi-directional cone nozzles for 360° top-and-bottom belt coverage.

Control & Monitoring

SCADA-compatible Main Fire Panel with intuitive LED status display (Normal / Fire / Fault). Integrated sounder beacon for immediate personnel alert.

Compliance

MHSA, NFPA, MASK, SANS, Ninedot, and DIN.

Service Intervals

OEM-recommended 3-month minor service and monthly visual inspection cycles to guarantee operational readiness.

START YOUR PROTECTION



Website :

www.firematicafrica.co.za



Location

62 Herbert ave, Krugersdorp —
Nationwide Support



Email

info@firematicafrica.co.za
sales@firematicafrica.co.za



Telephone

010 597 7592



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