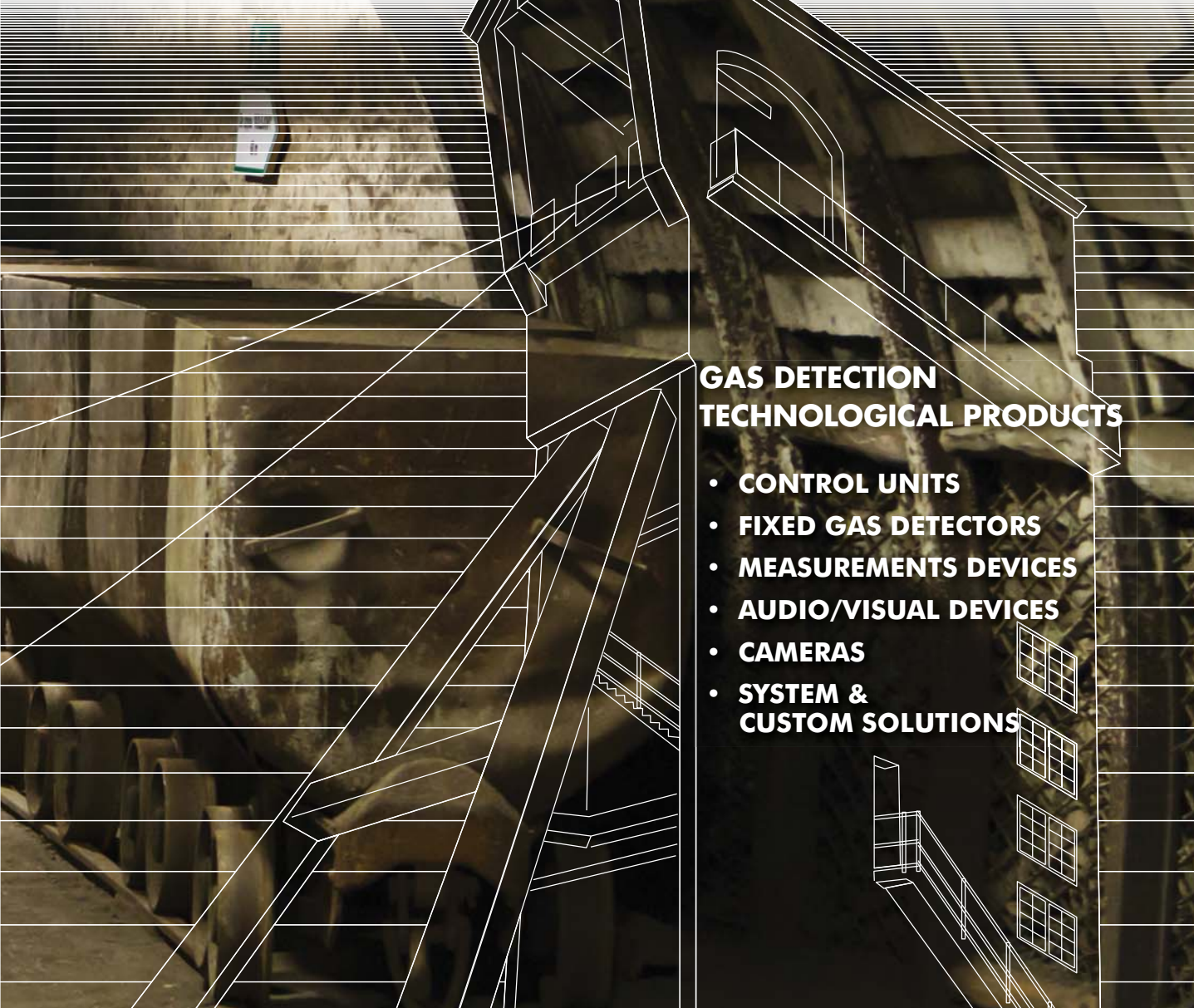


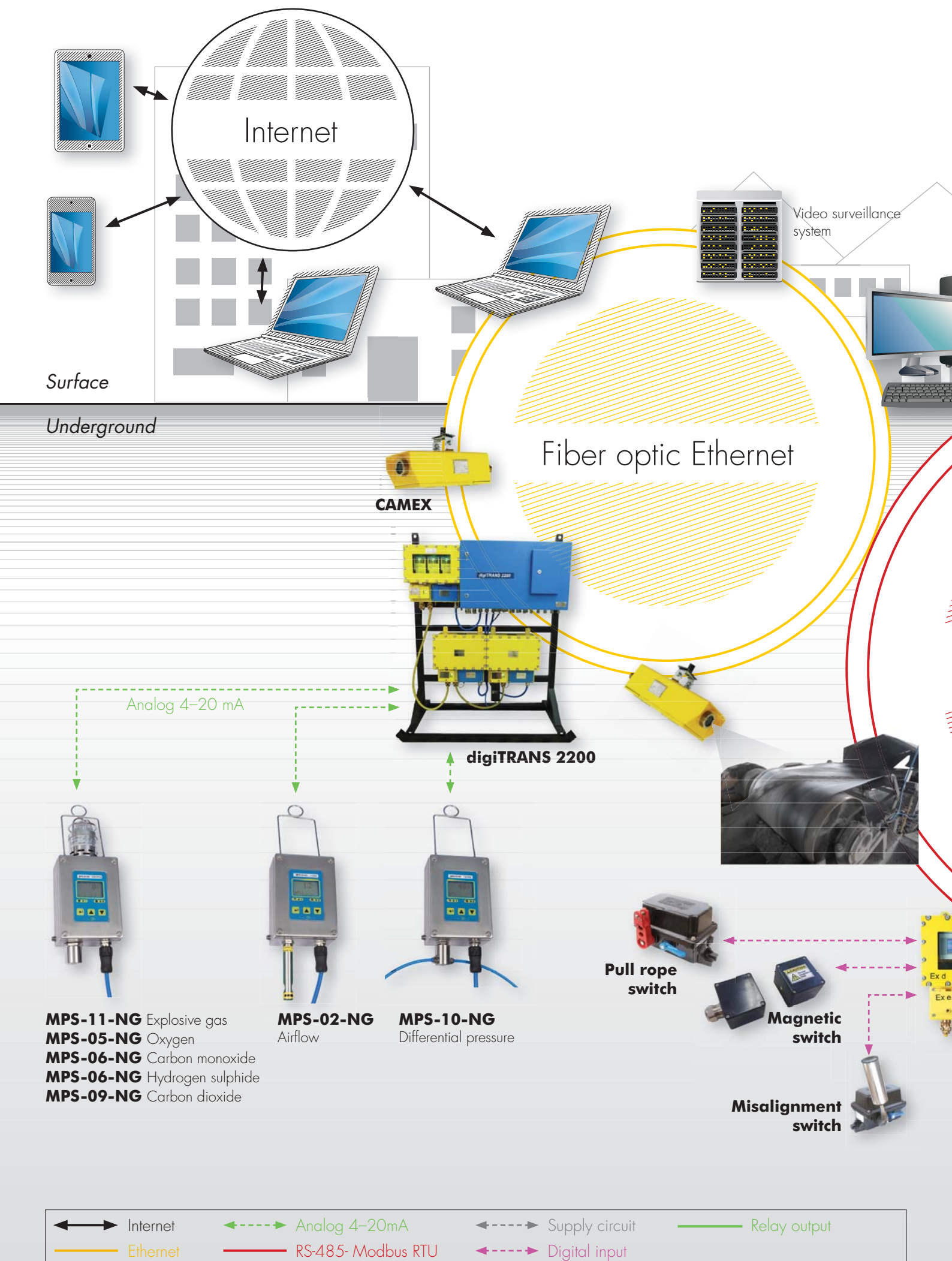


DIGITRANS CONTROL SYSTEMS & MINING VIDEO SURVEILLANCE

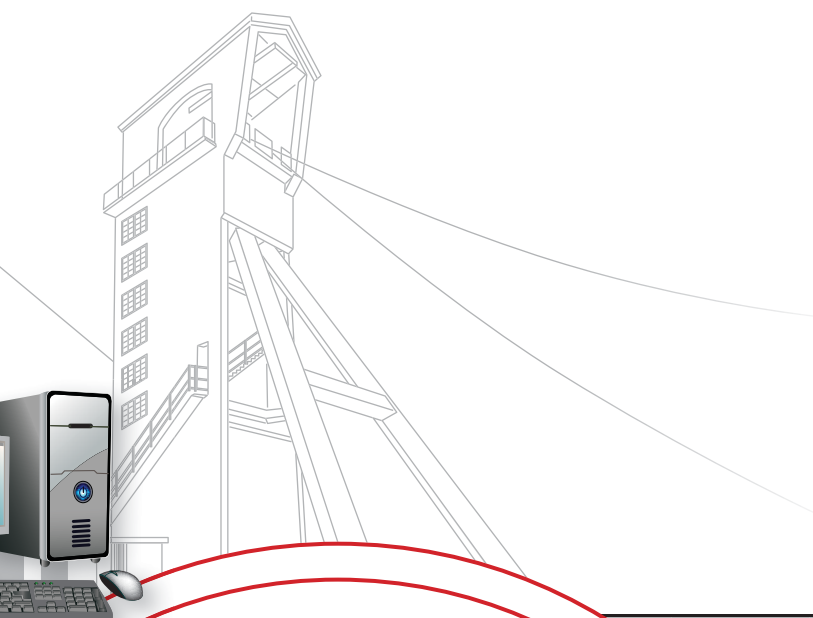


GAS DETECTION TECHNOLOGICAL PRODUCTS

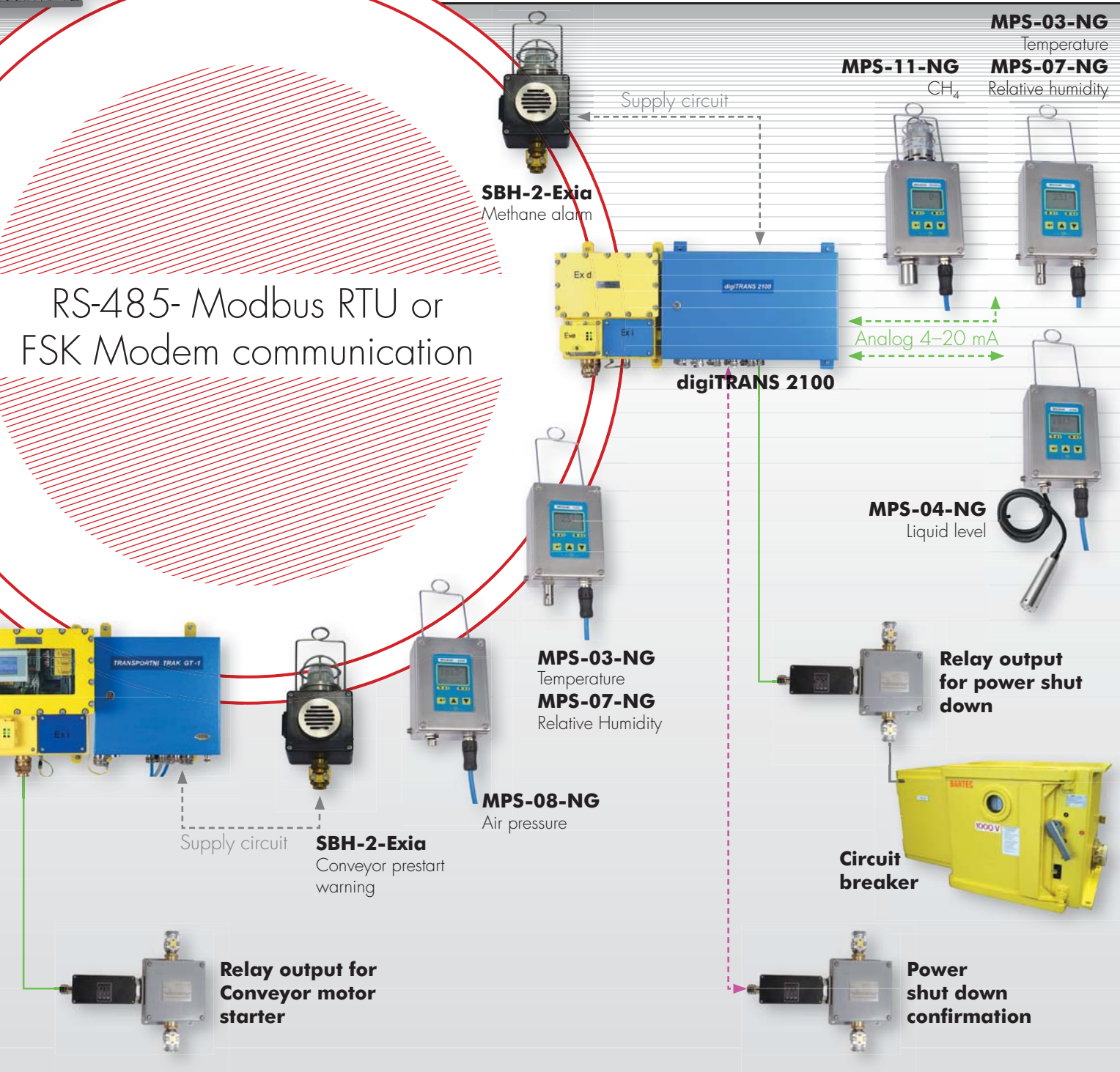
- CONTROL UNITS
- FIXED GAS DETECTORS
- MEASUREMENTS DEVICES
- AUDIO/VISUAL DEVICES
- CAMERAS
- SYSTEM & CUSTOM SOLUTIONS



DIGITRANS CONTROL SYSTEMS & MINING VIDEO SURVEILLANCE



RS-485- Modbus RTU or
FSK Modem communication

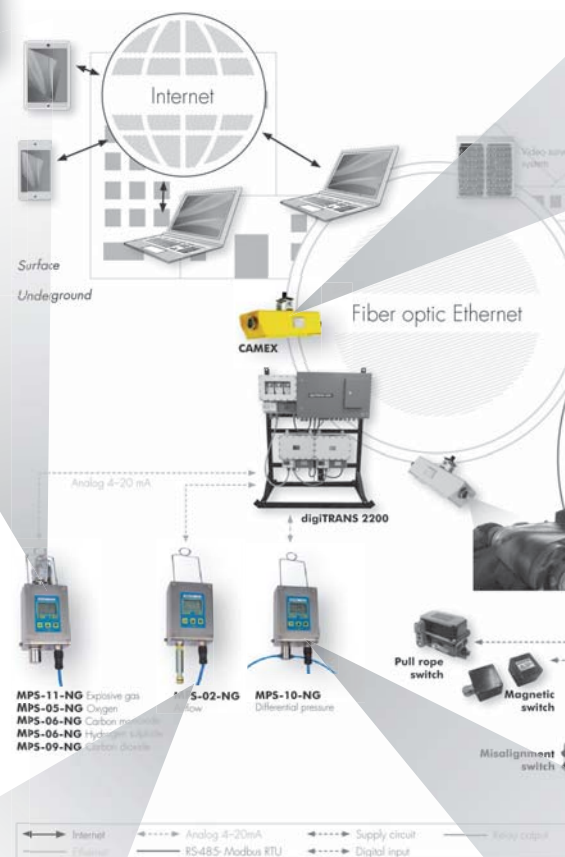


MPS-11D-NG **MPS-09-NG** **MPS-06-NG** **MPS-05-NG**

Fixed Gas Detector
Different signal outputs
Optional RS 485 Modbus RTU communication
Intrinsically safe device
Optional connection via cable gland

Equipped with local display
Easy operation and maintenance
Wide range of sensors
Corrosion resistant stainless steel housing

Gases Detected: methane, carbon monoxide, oxygen, carbon dioxide, H₂S
Sensor Technologies: infrared (IR), catalytic, electrochemical, semiconductor
Power In/Output: 9–15 VDC I.S./4–20 mA, 0.2–1 mA, 0.4–2 V, 5–15 Hz
Approvals: ATEX, CE



MPS-02-NG

Fixed Air Velocity Detector
Different signal outputs
Optional RS 485 Modbus RTU communication
Intrinsically safe device
Optional connection via cable gland

Equipped with local display
Easy operation and maintenance
Corrosion resistant stainless steel housing

Detection: air velocity
Sensor Technologies: thermal velocity detection
Power In/Output: 9–15 VDC I.S./4–20 mA, 0.2–1 mA, 0.4–2 V, 5–15 Hz
Approvals: ATEX, CE





CAMEX-01-IP/FO

IP camera

Fiber optic connection (single mode, E2000 connection)

Main housing Ex d, Connection chamber Ex e, Signal output Ex op is

Easy operation and maintenance

Remote managing

Robust housing

Picture transmission range > 15 km

Resolution: 2 MPixel

Supply voltage: 230 VAC, 50 Hz



MPS-10-NG

Fixed Detector

Different signal outputs

Optional RS 485 Modbus RTU communication

Intrinsically safe device

Optional connection via cable gland

Equipped with local display

Easy operation and maintenance

Wide range of sensors

Corrosion resistant stainless steel housing

Detection: differential pressure

Sensor Technologies: piezoresistive sensor

Power In/Output: 9–15 VDC I.S./4–20 mA, 0.2–1 mA, 0.4–2 V, 5–15 Hz

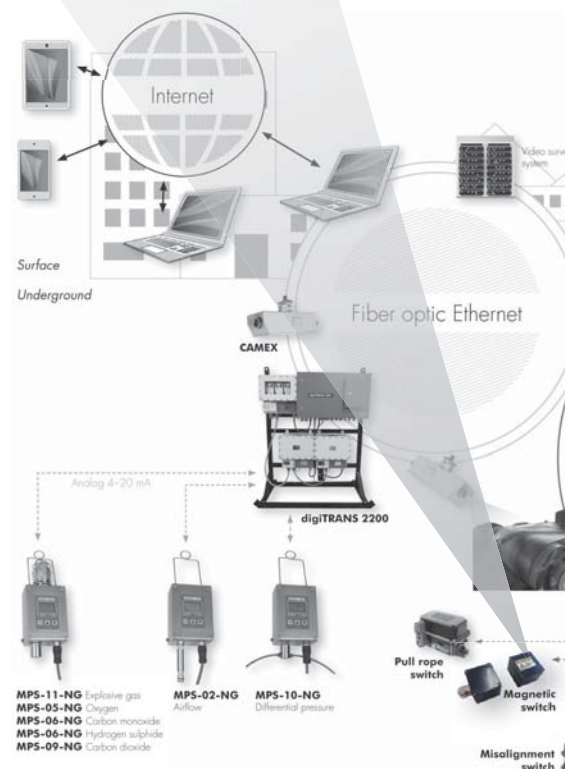
Approvals: ATEX, CE

Magnetic switch

Fixed Magnetic switch
Changeover output
Intrinsically safe device
Optional connection via connector

Easy operation and maintenance
Reinforced polyester housing

Detection: status of mechanical devices (air doors)
Sensor Technologies: reed relay
Switching capacity: intrinsically safe: max. 30 VDC/
660 mA
Approvals: ATEX, CE



KLK-230-PEx

Control separation element
Direct connection to Ex d or Ex e housings
Line monitoring available

Status LED lights
Easy operation and maintenance
Reinforced polyester housing

Switching capacity: 2 relay outputs (max. 250 VAC/10A)
Power In:

- 24 VAC
- 42 VAC
- 115 VAC
- 230 VAC



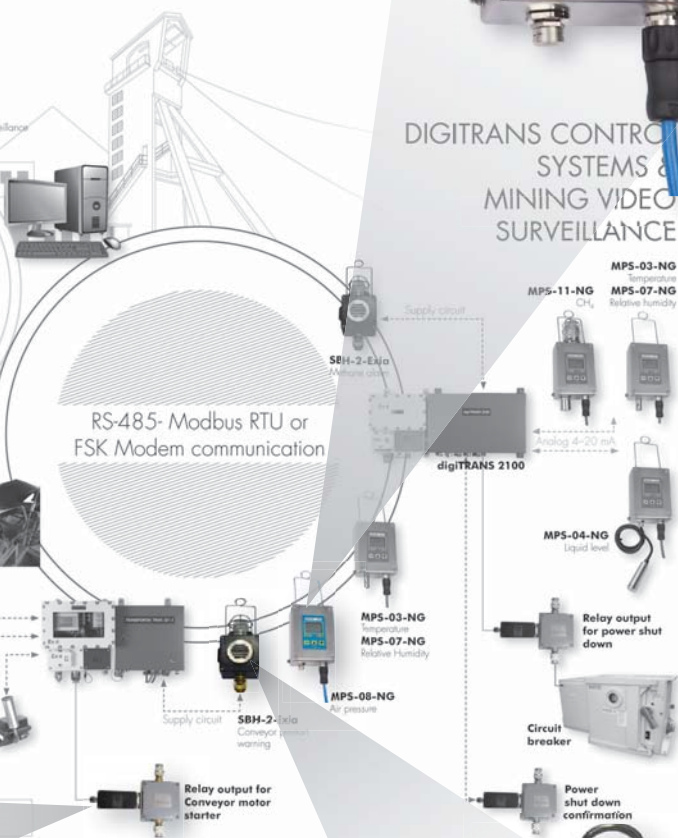


MPS-08-NG

Fixed Absolute pressure detector
 Different signal outputs
 Optional RS 485 Modbus RTU communication
 Intrinsically safe device
 Optional connection via cable gland

Equipped with local display
 Easy operation and maintenance
 Corrosion resistant stainless steel housing

Detection: Air Pressure
 Sensor Technologies: Piezoresistive
 Power In/Output: 9–15 VDC I.S./4–20 mA, 0.2–1 mA,
 0.4–2 V, 5–15 Hz
 Approvals: ATEX, CE



SBH-2-Exia

Signal flash Light with Alarm Horn
 Intrinsically safe device
 Optional connection via connector
 Optional test button

Easy operation and maintenance
 Reinforced polyester housing

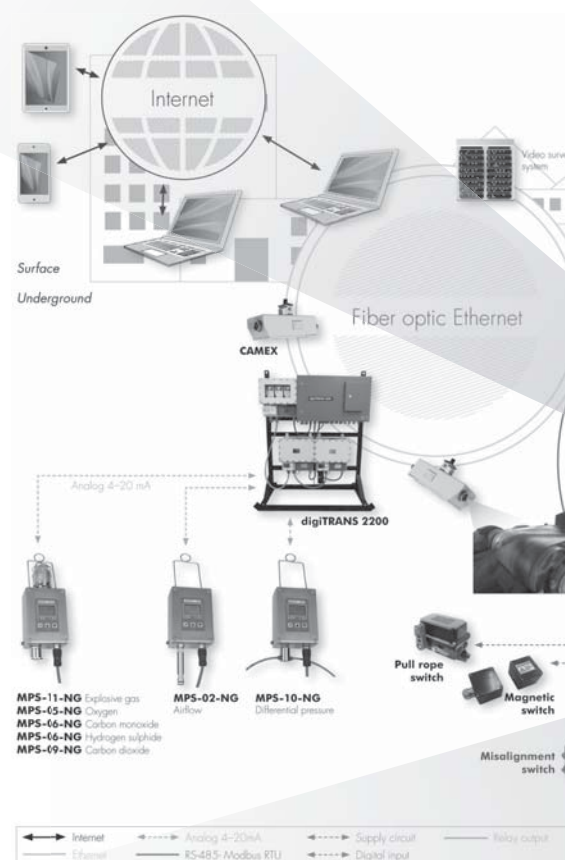
Flash light: LED (red, green, white, blue, yellow)
 Buzzer: Piezzo 105 dB
 Power In: 9–16 VDC I.S.

MPS-03-NG MPS-07-NG

Fixed Temperature and Relative Humidity Detector
Different signal outputs
Optional RS 485 Modbus RTU communication
Intrinsically safe device
Optional connection via cable gland

Equipped with local display
Easy operation and maintenance
Corrosion resistant stainless steel housing

Detection: Air Temperature and Relative Humidity
Sensor Technologies: Temperature: Band gap,
Relative Humidity: capacitive sensor
Power In/Output: 9–15 VDC I.S./4–20 mA,
0.2–1 mA, 0.4–2 V, 5–15 Hz
Approvals: ATEX, CE



MPS-04-NG

Fixed Level Transmitter
Different signal outputs
Loop powered detection element
Intrinsically safe device
Optional connection via cable gland

Equipped with local display
Easy operation and maintenance
Corrosion resistant stainless steel housing

Detection: liquid level
Sensor Technologies: pressure sensor
Power In/Output: 9–15VDC I.S./4–20mA,
0.2–1mA, 0.4–2V, 5–15Hz
Approvals: ATEX, CE





DigiTRANS Control Unit

DigiTRANS is underground control and alarm system, microprocesor controlled, mainly used for gas detection and automation. Different communication interfaces offers reliable communication with supervisory control and data acquisition system on the surface.

Available communication interfaces:

- 6x Ethernet 100Mbit/s
- RS485 Modbus RTU
- FSK Modem communication

Input/output:

4–20 mA, 0.4–2 V, 5–15 Hz

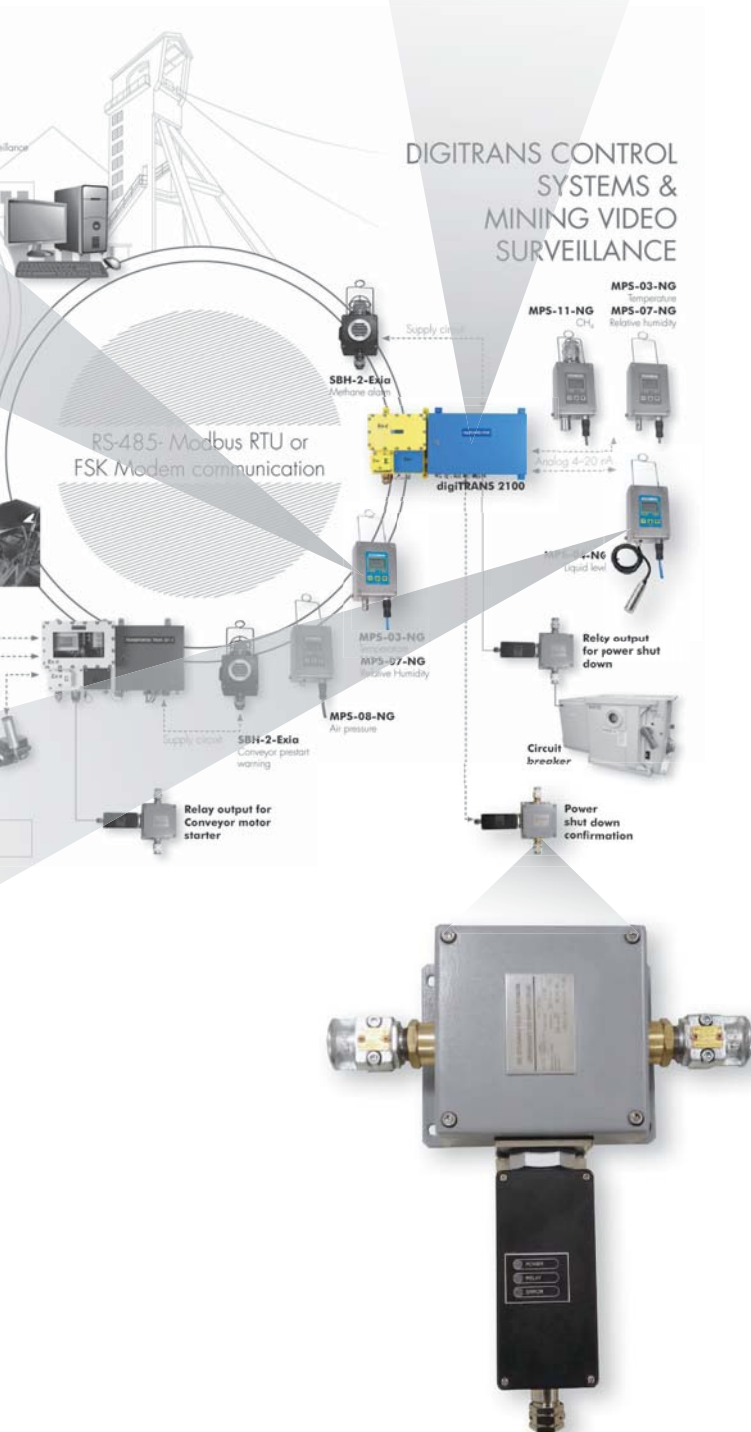
Digital inputs

Relay outputs

Supply: 230 VAC +/- 10% with 8h battery back up

Features:

- Modular system
- Optional local color display
- Approvals: ATEX, CE



PLV-230-PEX

Data separation element

Direct connection to Ex d or Ex e housings

Line monitoring available

Status LED lights

Easy operation and maintenance

Reinforced polyester housing

Intrinsically safe relay output

Power In:

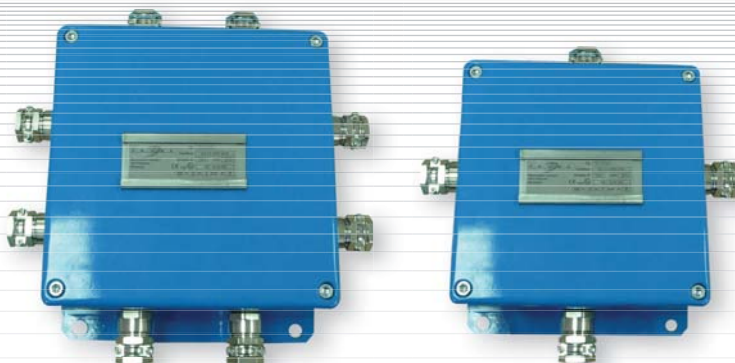
- 24 VAC
- 42 VAC
- 115 VAC
- 230 VAC

INSTALLATION COMPONENTS

Junction Box RO-x-Exia/ Junction Box JB-0x-Exia

- Sheet steel enclosure/Stainless steel enclosure
- Ex ia certified
- 4 enclosure size options
- Customizable configuration of terminals, cable entries and cable gland types

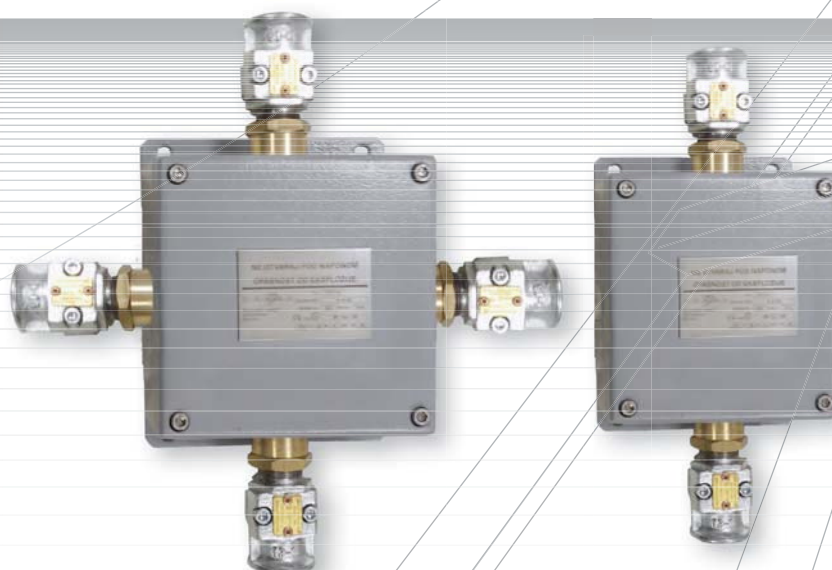
Approvals: ATEX, CE



Junction Box RO-x-Exe

- Sheet steel enclosure
- Ex e certified
- 2 enclosure size options
- Customizable configuration of terminals, cable entries and cable gland types

Approvals: ATEX, CE





Explosion proof floodlight LUX-xx-L/x.x

- Utilizes latest LED technology lamp type
- High quality LED module
- In excess of 50.000 hours LED life
- Wide supply voltage range
- Different colour temperatures available

Approvals: ATEX, CE



Flameproof fluorescent light fitting LUX-xxx-F

- 4 different lamp wattage options lamp type
- Utilizes latest T5 fluorescent technology with electronic control gear
- High output T5 fluorescent lamp
- In excess of 24.000 hours life

Approvals: ATEX, CE



OUR QUALITY – YOUR SAFETY

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