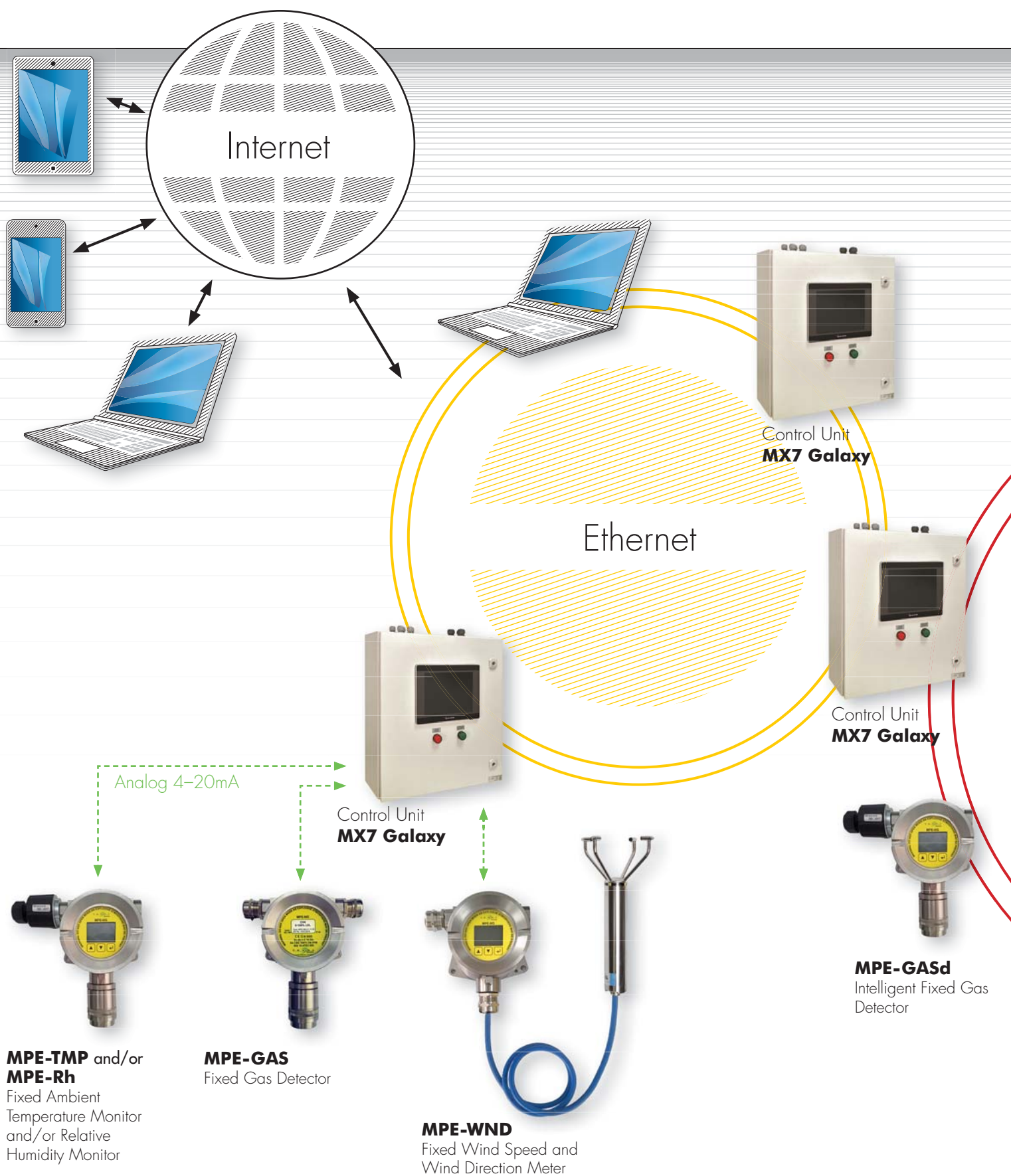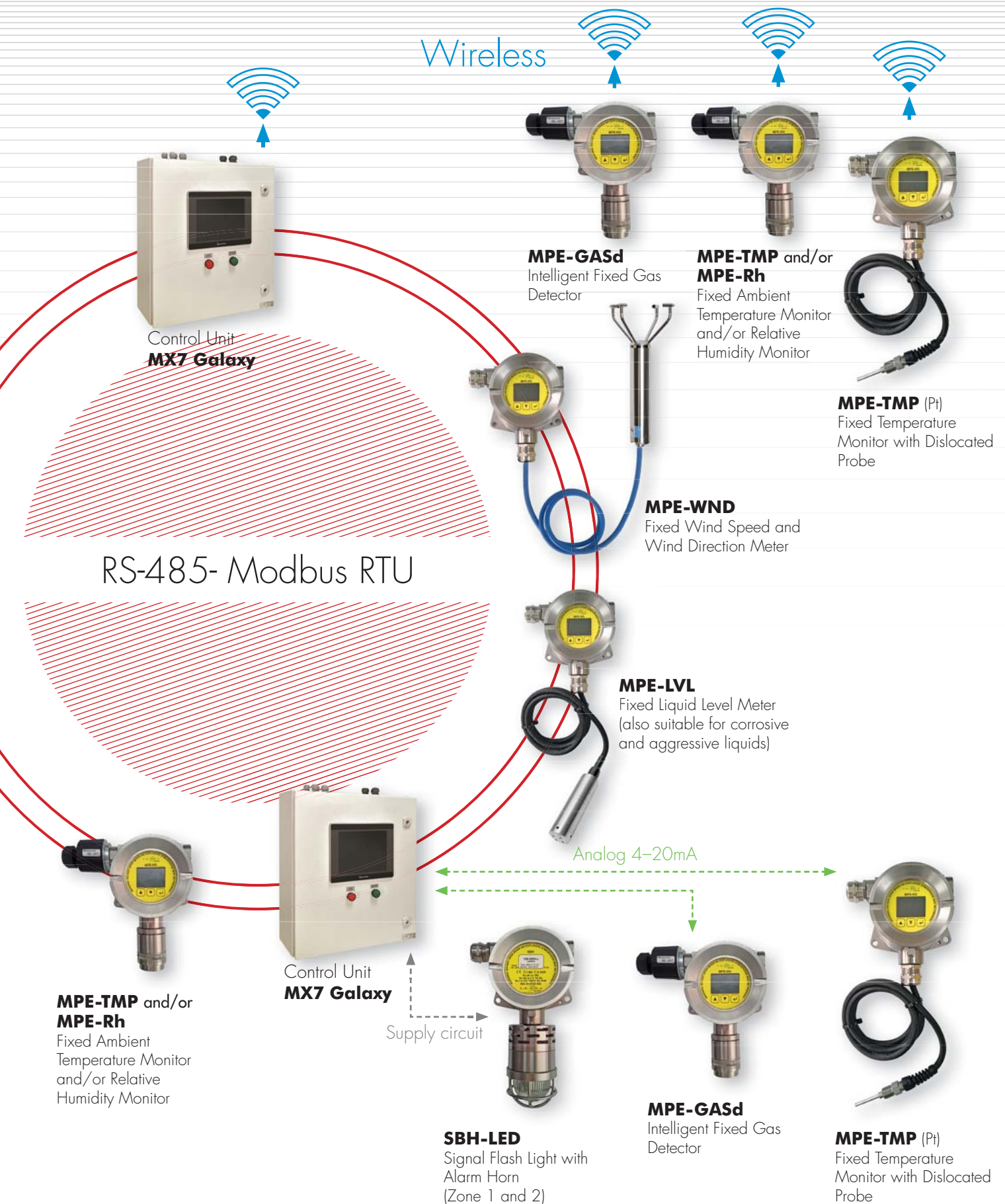# G A L A X Y
CONTROL SYSTEMS

GAS DETECTION & TECHNOLOGICAL PRODUCTS

- **CONTROL UNITS**
- **FIXED GAS DETECTORS**
- **MEASUREMENTS DEVICES**
- **AUDIO/VISUAL DEVICES**
- **WIRELESS TECHNOLOGY**
- **SYSTEMS & CUSTOM SOLUTIONS**

TEVEL

Internet

Ethernet

Control Unit
MX7 Galaxy

Control Unit
MX7 Galaxy

Analog 4–20mA

Control Unit
MX7 Galaxy

MPE-GASd
Intelligent Fixed Gas
Detector

MPE-TMP and/or
MPE-Rh
Fixed Ambient
Temperature Monitor
and/or Relative
Humidity Monitor

MPE-GAS
Fixed Gas Detector

MPE-WND
Fixed Wind Speed and
Wind Direction Meter

◄——► Internet	◄----► Analog 4–20mA	◄----► Supply circuit
—— Ethernet	—— RS-485- Modbus RTU	► Wireless

Wireless

Control Unit
MX7 Galaxy

RS-485- Modbus RTU

MPE-GASd
Intelligent Fixed Gas
Detector

MPE-TMP and/or
MPE-Rh
Fixed Ambient
Temperature Monitor
and/or Relative
Humidity Monitor

MPE-TMP (Pt)
Fixed Temperature
Monitor with Dislocated
Probe

MPE-WND
Fixed Wind Speed and
Wind Direction Meter

MPE-LVL
Fixed Liquid Level Meter
(also suitable for corrosive
and aggressive liquids)

Analog 4–20mA

Control Unit
MX7 Galaxy

Supply circuit

MPE-TMP and/or
MPE-Rh
Fixed Ambient
Temperature Monitor
and/or Relative
Humidity Monitor

SBH-LED
Signal Flash Light with
Alarm Horn
(Zone 1 and 2)

MPE-GASd
Intelligent Fixed Gas
Detector

MPE-TMP (Pt)
Fixed Temperature
Monitor with Dislocated
Probe

TEVEL

MPE-GASd

Intelligent Fixed Gas Detector
4–20mA current output
Optional RS-485 Modbus RTU communication
Optional wireless communication
Flameproof enclosure, direct entry
Optional connection via Ex e adapter

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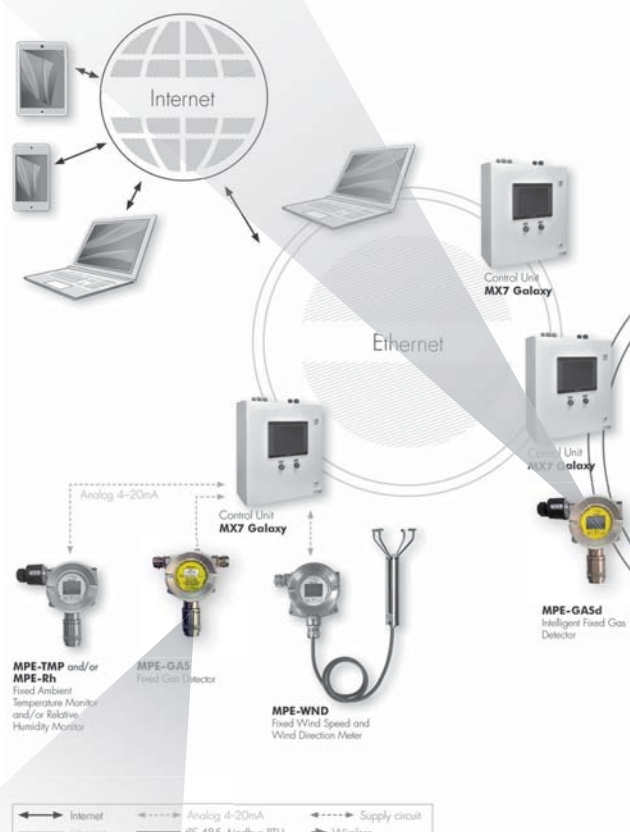Easy operation and maintenance.
Wide range of sensors.
Corrosion resistant stainless steel housing.

Gases Detected: combustible, toxic, O_2, CO_2
Sensor Technologies: infrared (IR), catalytic, electrochemical, semiconductor
Power In/Output: 16–32VDC / 4–20mA, RS485 Modbus RTU, RF transceiver
Approvals: ATEX, IECEx, CE

Internet

Ethernet

Control Unit
MX7 Galaxy

Control Unit
MX7 Galaxy

Analog 4-20mA

Control Unit
MX7 Galaxy

MPE-GASd
Intelligent Fixed Gas
Detector

MPE-TMP and/or
MPE-Rh
Fixed Ambient
Temperature Monitor
and/or Relative
Humidity Monitor

MPE-GAS
Fixed Gas Detector

MPE-WND
Fixed Wind Speed and
Wind Direction Meter

Internet — Analog 4-20mA — Supply circuit

MPE-GAS

Fixed Gas Detector
4–20mA analog output

Basic (low cost) detector for industrial applications.
Easy operation and maintenance.
Wide range of sensors.
Corrosion resistant stainless steel housing.
Flameproof enclosure, direct entry.

Gases Detected: combustible, toxic, O_2, CO_2
Sensor Technologies: infrared (IR), catalytic, electrochemical, semiconductor
Power In/Output: 16–32VDC / 4–20mA
Approvals: ATEX, IECEx, CE

GALAXY
CONTROL SYSTEMS

Wireless

MPE-GASd
Intelligent Fixed Gas
Detector

MPE-TMP and/or
MPE-Rh
Fixed Ambient
Temperature Monitor
and/or Relative
Humidity Monitor

MPE-TMP (Pt)
Fixed Temperature
Monitor with Dislocated
Probe

Control Unit
MX7 Galaxy

RS-485- Modbus RTU

MPE-WND
Fixed Wind Speed and
Wind Direction Meter

MPE-LVL
Fixed Liquid Level Meter
(also suitable for corrosive
and aggressive liquids)

MPE-TMP and/or
MPE-Rh
Fixed Ambient
Temperature Monitor
and/or Relative
Humidity Monitor

Control Unit
MX7 Galaxy

Analog 4–20mA

Supply circuit

SBH-LED
Signal Flash Light with
Alarm Horn
(Zone 1 and 2)

MPE-GASd
Intelligent Fixed Gas
Detector

MPE-TMP (Pt)
Fixed Temperature
Monitor with Dislocated
Probe

MPE-TMP and/or MPE-Rh

Fixed Ambient Temperature Monitor and/or Relative
Humidity Monitor
4–20mA current output
Optional RS-485 Modbus RTU communication
Optional wireless communication
Flameproof enclosure, direct entry
Optional connection via Ex e adapter

Equipped with local display.
Pre-calibrated sensor.
Corrosion resistant stainless steel housing.
Current output version – option temperature monitoring or
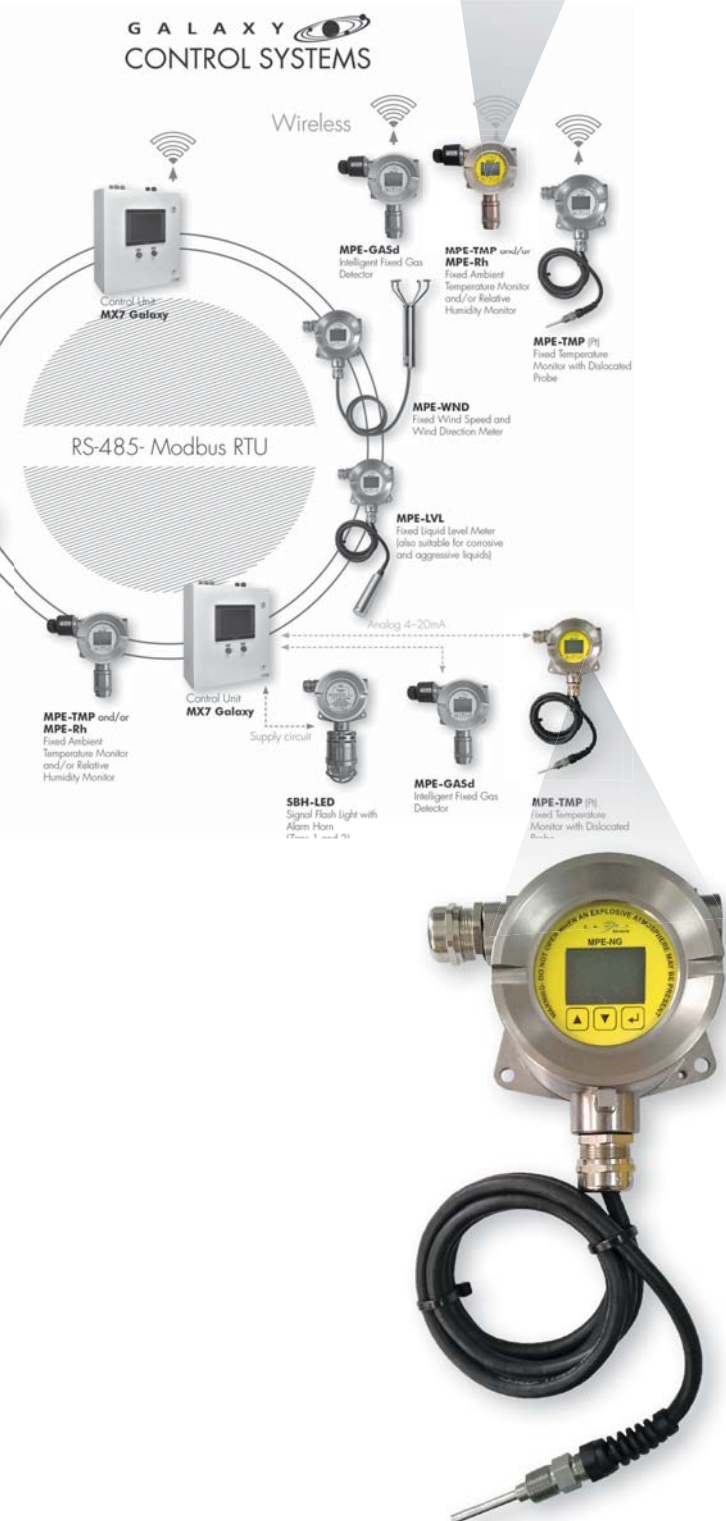relative humidity monitoring.
Option RS-485 RTU communication, monitoring of
temperature and relative humidity (T and Rh).

Measurement: Temperature (-20÷+70°C/±0,5°C), relative
humidity (0–100%Rh/±2%Rh)
Sensor Technologies: fully calibrated silicon sensor chip
Power In/Output: 16–32VDC / 4–20mA, RS485 Modbus
RTU, RF transceiver
Approvals: ATEX, IECEx,CE

MPE-TMP (Pt)

Fixed Temperature Monitor with Dislocated Probe
4–20mA current output
Optional RS-485 Modbus RTU communication
Optional wireless communication
Flameproof enclosure, direct entry
Optional connection via Ex e adapter

Equipped with local display.
Corrosion resistant stainless steel housing.

Measurement: Temperature (-20÷+200°C/±0,1°C)
Sensor Technologies: Pt1000
Power In/Output: 16–32VDC / 4–20mA, RS485 Modbus
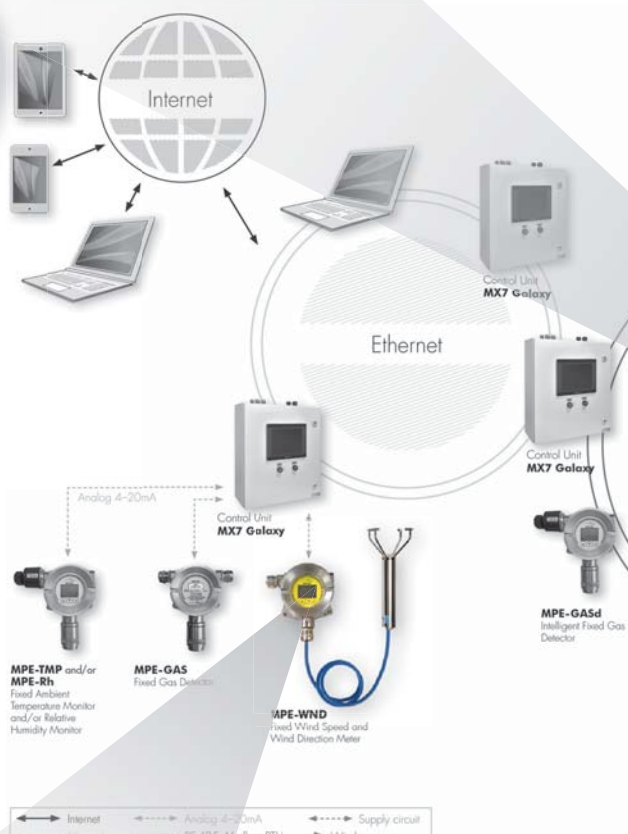RTU, RF transceiver
Approvals: ATEX, IECEx,CE

MPE-LVL

Fixed Liquid Level Meter (also suitable for corrosive
and aggressive liquids)
4–20mA current output
Optional RS-485 Modbus RTU communication
Optional wireless communication
Flameproof enclosure, direct entry
Optional connection via Ex e adapter
Measuring probe suitable for Zone 0; IP68

Equipped with local display.
Corrosion resistant stainless steel housing.

Measurement: on request, up to 300m
Sensor Technologies: Piezzo-resistive Pressure Level
Sensor
Power In/Output: 16–32VDC / 4–20mA, RS485
Modbus RTU, RF transceiver

MPE-WND

Fixed Wind Speed and Wind Direction Meter
4–20mA current output (one type measurement)
Optional RS-485 Modbus RTU communication
Optional wireless communication
Flameproof enclosure, direct entry
Optional connection via Ex e adapter

Measuring probe suitable for Zone 0

Equipped with local display.
Corrosion resistant stainless steel housing.

Measurement: wind speed 0÷75m/s, wind direction
0÷359°
Sensor Technologies: solid-state ultrasonic anemometer
Power In/Output: 16–32VDC / 4–20mA, RS485
Modbus RTU, RF

Control Unit MX7 Galaxy

Galaxy is integrated Control and Alarm System, microprocessor controled, mainly used for gas and flame detection. Redundant processor offers high system reliability and stable communication with existing supervisory and control systems.

Communication interfaces:
- 1x Ethernet 100/10
- 1x RS-485/Modbus
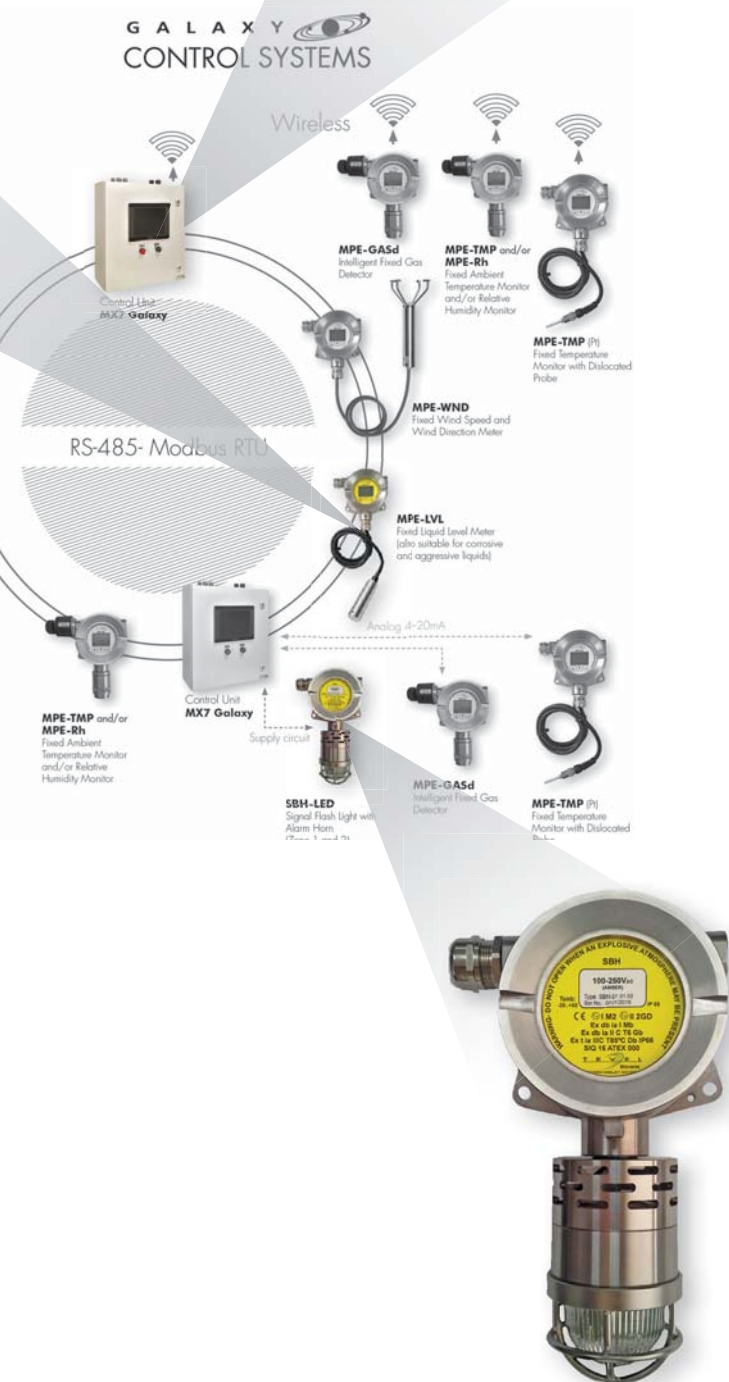- 1x RS-485/slave Modbus
- RF transmittion (optional)

Input/output:
- RS-485 Modbus RTU
- 4–20mA analog inputs
- digital inputs
- relays outputs (up to 16 – programable)

Supply: – 100–240VAC with optional 48h battery back up

Features:
- Up to 64 channels per unit (via RS-485 or locally 4–20mA input)
- TCP/IP or USB datalogging and system configuring
- Industrial wall mounted stainless steel housing with 10'' TFT screen
- Easy system expansion

GALAXY CONTROL SYSTEMS

Wireless

Control Unit MX7 Galaxy

RS-485- Modbus RTU

MPE-GASd Intelligent Fixed Gas Detector

MPE-TMP and/or **MPE-Rh** Fixed Ambient Temperature Monitor and/or Relative Humidity Monitor

MPE-TMP (Pt) Fixed Temperature Monitor with Dislocated Probe

MPE-WND Fixed Wind Speed and Wind Direction Meter

MPE-LVL Fixed Liquid Level Meter (also suitable for corrosive and aggressive liquids)

Analog 4-20mA

Control Unit MX7 Galaxy

Supply circuit

MPE-TMP and/or **MPE-Rh** Fixed Ambient Temperature Monitor and/or Relative Humidity Monitor

SBH-LED Signal Flash Light with Alarm Horn (Zone 1 and 2)

MPE-GASd Intelligent Fixed Gas Detector

MPE-TMP (Pt) Fixed Temperature Monitor with Dislocated Probe

SBH-LED
Signal Flash Light with Alarm Horn (Zone 1 and 2)

Flameproof enclosure, direct entry
Optional connection via Ex e adapter

Industrial applications.
Corrosion resistant stainless steel housing.

Flash light: LED (red, green, amber, blue)
Buzzer: Piezzo 105 dB
Power In/Output: 12–50VDC(AC) / 95–250VAC

GALAXY

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TEVEL