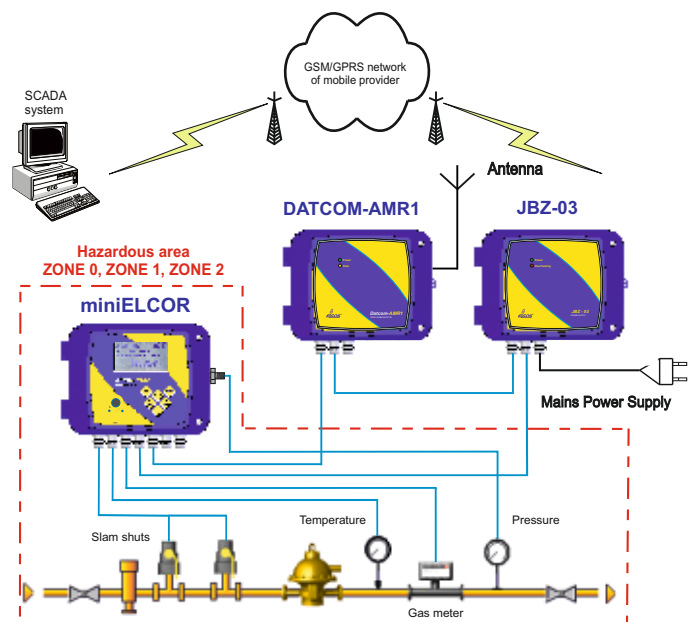


# JBZ-03/04

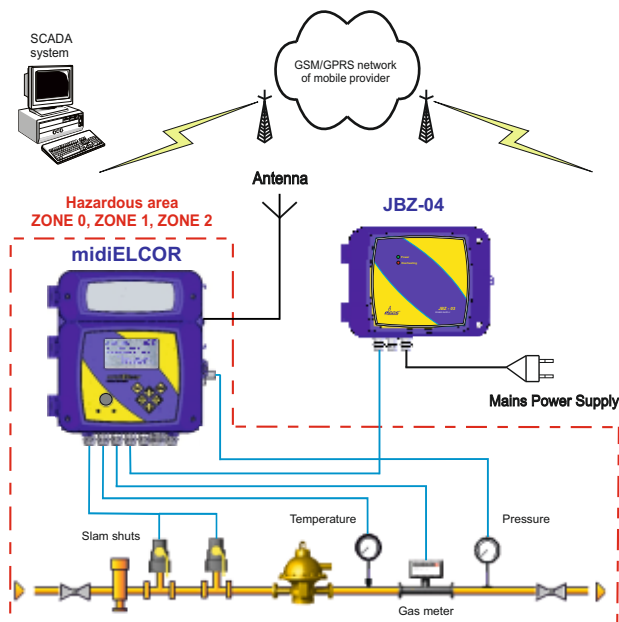
intrinsically safe power supply  
for gas volume correctors equipped with  
GSM/GPRS communicator



- Intrinsically safe power supply
- Designed for miniELCOR/DATCOM-AMR1 and midiELCOR devices
- Enables frequent or continuous data transfer via GSM/GPRS modems
- DIN rail or separate housing installation
- Two intrinsically safe outputs
- Powered by 230V/50Hz AC (120V/60Hz variant available)
- ATEX approved
- IP65 protection (separate housing variant)
- Maintenance free design



miniELCOR in combination with GSM/GPRS modem and JBZ-03 power supply



midiELCOR externally powered by JBZ-04 power supply

## General description

The intrinsically safe power supply JBZ-03 and JBZ-04 serves as an external power supply with two intrinsically safe outputs for the gas volume correctors and their modems like miniELCOR (combined with DATCOM-AMR1), midiELCOR and their alternatives.

### JBZ-03

The JBZ-03 provides for external power supply of both the corrector (or data recorder) and the connected communicator DATCOM-AMR1.

The application of the intrinsically safe power supply JBZ-03 is suitable in cases when a frequent (or continuous) communication with the device through the communicator DATCOM-AMR1 is required.

### JBZ-04

The JBZ-04 provides for external power supply of midiELCOR corrector and its integrated GSM/GPRS modem. JBZ-04 is suitable in cases when a frequent communication with the device through the GSM/GPRS modem is needed.

## Device variants (same for both models)

Housing Type	Input voltage 230V AC	Input voltage 120V AC
Standalone	JBZ-03	JBZ-03/120
DIN rail	JBZ-03/D	JBZ-03/120D

## Technical details

Mechanical parameters	
Housing variants	standalone DIN rail
Housing dimensions (mm)	193 x 170 x 73 (standalone variant) 160 x 90 x 58 (DIN rail variant)
Weight	1 kg (standalone device) 0.5 kg (DIN rail variant)
Environmental	
Protective class (EN 60529)	IP65 (standalone variant) IP20 (DIN rail variant)
Working temperature	-25°C to 60°C
Environment classification	Non-hazardous area
Voltage	
Input voltage (V)	200 to 250 AC 50/60Hz 102 to 138 AC 50/60Hz (optional)
Output voltage JBZ-03	7V DC (modem) 8V DC (EVC)
Output voltage JBZ-04	3V DC (modem) 7V DC (EVC)
Maximum cable length	30 m
Certification	
Classification JBZ-03	II (2)G [Ex ib Gb] IIA/IIC
Classification JBZ-04	II (2)G [Ex ib Gb] IIA/IIC
ATEX approval JBZ-03	FTZÚ 11 ATEX 0124
ATEX approval JBZ-04	FTZÚ 12 ATEX 0078