

UPES MULTI-CHANNEL CONTROLLER



The UPES is a microprocessor based monitoring system that offers maximum flexibility to users as a standalone, independent control system that can also be interfaced to a PLC or DCS system. The UPES system is compatible with all of the products that JSC "Electronstandart-pribor" offers: both types of flame detectors and both types of gas sensors. In fact, you can operate any combination of the detectors and sensors, from as many as 16 via the analog outputs, or as many as 480 via RS-485 digital outputs.

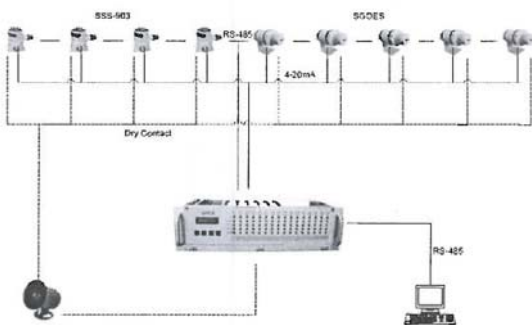
UPES can be used at any facility for the detection/monitor/control of gas concentrations and conditions of flame and fire. After programming UPES with desired thresholds, the system will give out light (LED) and sound alarms as well as sending out signals to responding devices such as: warning systems; automatic sprinkler systems; ventilation systems; pump & hardware shutdown controls, etc.

The UPES is built on standardized housing 3U X 19 inch (482x266x132mm) based on a highway-module concept. UPES contains the power supply module, the controller module, and has internal rack space capable of holding eight, 2-channel boards for up to 16 analog signaling devices. The number of signaling devices (channels) can expand to 480 via use of the RS-485 digital connection. Up to 3 separate threshold alarms (per signaling device) are able to be displayed on the UPES control panel.

- Maximum number of data channels: 1-16 analog; combined via RS-485 to 480 channels
- Selectable permanent or periodic indication
- Three (3) alarm signals for gas concentration threshold settings (selectable), and one (1) fault signal
- Modular measurement unit (3U, 19")
- Integrated three (3) line display & LED test
- Maximum length of communication line: using analog 4-20 mA outputs up to 3937 feet (1200 m);

System SGAES consists of SGOES or SSS-903 gas sensors and the UPES controller.

The purpose of the pictured systems is to monitor methane or propane content in potentially hazardous areas adjacent to oil & gas transit stations, gas and oil trunk pipelines, oil and gas storage tank farm, loading racks, and other similar type of facilities. In the event a lower explosive limit (LEL) of gas presence (%) has reached a preset value, the UPES system sound a warning and sends alert signal(s) to the control room operator and also initiates facility level protection programs. This can include activating emergency ventilations systems within the automated management response system(s).



ATEX



Warranty 5 years

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