

Awards winner:



MTK Trade Fair medal in 2011, 2013



„Napędy i Sterowanie” Journal Product of the Year 2012



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AUTOMATION SYSTEM FOR BELT CONVEYORS

**SSP-ATUT**



SSP conveyor control system is used for control, signaling, work status supervision and emergency and technological stop of conveyors. System design make it suitable to be used in potentially explosive areas. The manufacturer offers specialized type of SSP system designed for human transportation within the belt conveyors. SSG system can be connected via cable modems or fiber network infrastructure with the surface. This allows data transmission to the surface visualization software platform ATVisio-2.

Main SSP system features:

- Local or remote control of all interconnected conveyor devices,
- Loudspeaking communication along the conveyor belt route,

- Light and sound signalization (warning),
- Generation of warning signals and verbal messages visualization the state of emergency signals,
- Optical signaling of operating states of selected system components (for ex.sensors),
- Emergency disengagement and the identification of disengaged drives (optical and voice message),
- Visualizing system status on the work stations running with AT-Visio2 visualization platform,
- Operation mode select in accordance with the applicable standard for belt conveyor control systems,
- Interconnection with mining broadcasting systems such as dispatchers announcement system.



### PZW-1 / ATVisio-2

**Surface visualization unit with ATVisio2 software platform**

Manufacturing Execution System developed to support dispatcher operations providing control and safety monitoring, visualization, database (SCADA), voice communication, data network diagnosis



### AT-NODE, IMC-2X, IKC-2X, ISE-1, ISPS-2, KMi-1, GKM-1, AUDIO IIA, SSA-1X

**Wired, wireless and fiber optic network**

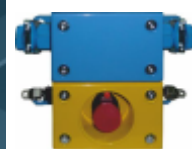
Hubs, modems, digital mining data concentrators, Serial Port Servers, Ethernet switches, media converters with 1000BaseFX 100BaseFX interfaces to provide the data to a dispatchers system. To increase the number of devices on the system bus (for eg. for long conveyors) separators can be used



### CUKS-4

**Loudspeaking device combined with emergency stop switch**

Device used for belt conveyor control systems, including systems designed for human transportation using the belt conveyors



### WZA/S1

**Emergency stop switch**

Used in serial safety circuits, SIL certified



### WZA/L1

**Emergency stop switch with rope tension supervision**

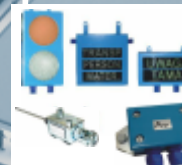
Used in serial emergency stop circuits compliant with PN-EN 60947-5-5 norm



### CUKS-4

**Digital Control and Loudspeaking device**

Digital Control Device Type CUKS-4 is designed to control industrial processes under the atmosphere of steam, gases and dusts posing a risk of explosion, providing voice connectivity, signaling and connected sensors measurement



### ATUT-CT, ATUT-CR, WKA-AX, TS-AX, ZAT

**Temperature sensor, motion sensor, limited switch sensor, LED light boards, cable connectors**  
Conveyor control system equipment containing temperature sensors, motion sensors, limited switches, belt slide sensors, LED light and sound boards and cable connectors.



### CUKS-MPS2

**Intrinsically safe PLC driver**

PLC modular main driver complaint with the IEC 61131 norm



### ITC-1

**Intrinsically Safe Digital Phone**

Intrinsically Safe Digital Phone allows loudspeaking connectivity between two selected devices. Each device has a unique address (equivalent to a phone number), allowing the choice of the subscriber. Within the sue of AT-Voice software any work station interconnection with ITC device can be established