

The system of warning, centralization and blocking relates to control systems of internal mine transport. A system includes a dispatcher station and units of local control connected to it through the intra-communication system. The dispatcher station contains a control panel, an information signal panel and a unit of central control connected with it. Intra-communication system is executed in the form of two-wire lines of communication, which connect the controlled devices of local control in parallel, and all devices of control - central and local - contain microprocessors, with the help of which in the system is realized the mode of serial interface of data transmission to all connected devices of control, and they are equipped with power units, which are executed in the form of converters of voltage of power contact electric transport power line into equal supply voltages. As single-channel line of communication is used the intra-mine line of telephone communications. The additional devices of local control are connected to the devices of local control according by means of mentioned intra-communication system. Due to the construction of intra-communication system is achieved the increase of the volume of processed information in the system at simultaneous increase of reliability of its operation.