

Systevo Control for Systemrack



Part-No.: 72700B1

Systevo Control as rack design as a control unit for an organisational unit, such as a ward or residential area. Use of system release V11 for compliance with DIN VDE 0834-1: 2016-06 in conjunction with overriding system licence, 1 licence card per system required. Also, activation of the system functions required (e.g. mobile call retrieval, system size etc.). Modular centre with 2 slots for the respective field bus cards (FBC). Option for redundant power supply via a decentrally installed power supply unit. Monitoring and synchronisation of the entire data traffic and the audio connections (calls, announcements) within the organisational unit and coordination of the communication with other centres via IP interface (ETH-LAN / ward bus). Also, control of displays and acoustic call messages, according to specified priorities/services (interconnections) within a system installation. Flexible configuration options via the Systevo Workstation with convenient Windows GUI for call types, groups, services, collective announcements, display texts, device parameters, system language etc. based on the customer requirements. Use of a maximum of 64 centres with up to 250 logical groups (sub-groups). The networking takes place via the ETH-LAN IP interface (data/audio) or existing installations of the ward bus (data/audio). The wiring via ETH-LAN and/or LWL-LAN takes place depending on the specifications of the classic network design. The ward-by-ward networking takes place via appropriate switches/routers (ETH-LAN: IEEE802.3), which automatically identify the necessary transmission rates (10, 100, 1000 MBit). Port-based VLAN network components with QoS / ToS enable the prioritisation of the light call data services with respect to the voice services. For safety reasons (VDE 0834-1: 2016-06), all IP components (centres, Systevo Workstation) operate in a uniform IP address range (10.1.x.y), which is not used by other components (e.g. BMS, medical equipment etc.). To use a deviating IP address range (192.168.x.y), the configuration takes place via an optional DHCP server. The communication takes place on the basis of TCP/IP via defined light call protocols. Service programs, such as Telnet, FTP are for remote access and data transmission. Additional network applications (Syslog, Firewall etc.) are for system security and the possible analysis of stored log data. With an integrated gateway function for forwarding the data/audio signals of the overriding bus interfaces (ETH-LAN, ward bus) to the room bus. Support of the compatibility mode for existing system installations with the group centres 72660x (firmware update to v5.xx necessary). Set-up of a master centre (for ETH-LAN: without room bus) for communication with the overriding Systevo Workstation via ETH-LAN and to control the escalation of all system messages within the entire system. Prepared for future licensable firmware updates and equipped with an SD card slot in order to be able to use additional service features. Centralised or decentralised installation (rack design) in environments environmental class I. Project-specific planning of the control equipment from 500 rooms. It monitors and synchronizes all data traffic and intercom connections (conversations, announcements) within the organizational unit and coordinates communication with other control units via IP communication (zone data bus or ETH-LAN). In addition, it controls display screens and acoustic call messages in accordance with stipulated priorities / service (zone linking) within a system. There are flexible configuration options for types of call, groups, services, general announcements, display texts, device parameters, system language, etc. depending on customer requirements, via the server (PC) with a comfortable Windows GUI.

Features:

- Operation as master/slave controller, depending on the addressing/configuration
- Communication (data/audio) with other controllers via ETH-LAN or the station bus POF (max. 64)
- Max. number of (logical) groups: 250 (per system)
- Software download for system components (where possible), firmware updating, remote maintenance/SNMP-fct (with PC), basic commissioning
- SD card slot for future firmware or licence updates
- Prepared for rack-mounting
- Centralised and decentralised installation
- Data preservation in case of power failure in accordance with DIN VDE 0834-1: 2016-06 (UPS required)
- Option for redundant power supply via secondary feed
- Local emergency operation mode in case of failure of the system master controller
- Sequential monitoring of the connected active components, additional controllers in the system network and the PC communication in accordance with DIN VDE 0834-1: 2016-06
- 1 x relay contact for reporting faults (NCC / NOC)
- Galvanic separation from other controller units through ETH-LAN or POF connection
- Status display via LEDs
- Flash for data storage of the system

Operating voltage	24 V DC + / -10 %
Quiescent current @ 24 V DC	approx. 180 mA
Current consumption	< 270 mA
Contact load relay	1A / 30 V DC
Ambient temperature	5 °C ... 40 °C
Storage temperature	0 °C ... 60 °C
Air humidity	< 20 %
Mounting	in 19" rack unit
Color	gray, similar to RAL 7035
Weight	approx. 900 g (incl. plug-in cards)
Dimensions	W: 262 mm H: 154 mm D: 61 mm

 Systevo Control, Accessory kit (terminals, cable fasteners, nuts)

Accessories:

72700C1	field bus card (FBC) System 99
72700D1	field bus card (FBC) System 95
72700Z2	19" 7HE system rack (SR) for max. 7 Systevo Control
72700Z3	19" 2HE front panel for 1 Systevo Control, rack version