

Scalable access control system
with building automation

RACS 5



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System workstations

- system management on multiple workstations
- operator authentication through Active Directory service or local account
- landlord/tenant partitions
- live on-line event monitoring
- remote control commands
- system operators' event log
- user management on running system



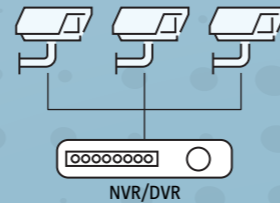
ONVIF cameras

- ONVIF compatible cameras live view



NVR/DVR

- Hikvision recorders
- Dahua recorders
- live view from CCTV cameras
- playback of video and photo stored on recorders



Database

- centralized type MS SQL Server (e.g. Express, Standard, Enterprise)
- local type MS SQL Server Compact



Communication server

- operates as Windows service
- provides communication with system controllers
- automatic event download
- global control functions
- remote commands
- encrypted communication



Integration server

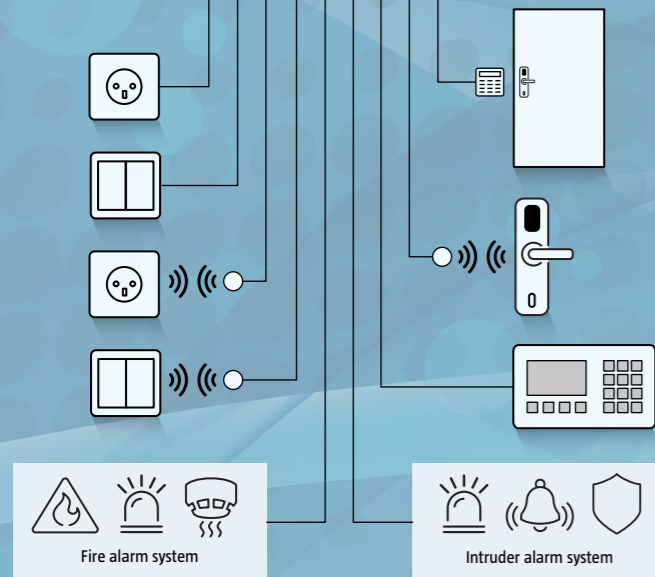
- operates as Windows service
- communication based on WCF
- database API
- remote commands API
- user management API
- mobile app for user management and event log view



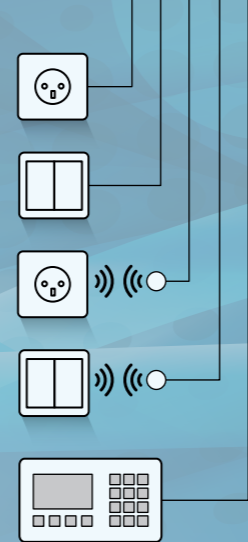
LAN/WAN

LAN/WAN

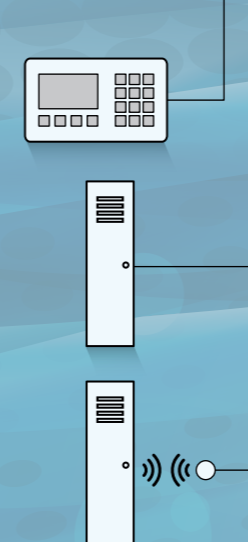
MC16-PAC Physical access and automation controller



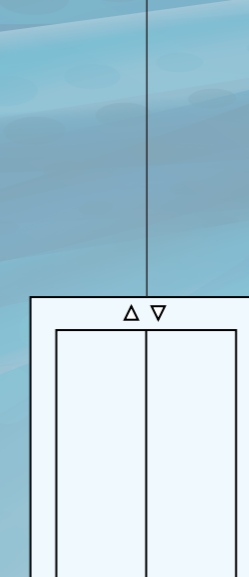
MC16-BAC Building automation controller



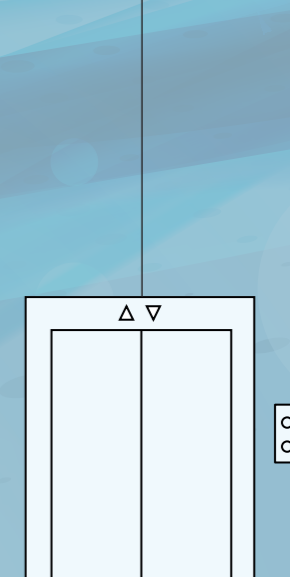
MC16-LRC Locker and cabinet access controller



MC16-EVC Classic elevator access controller



MC16-EVK KGC (KONE) elevator access controller



Access control and building automation

- wired access control
- wireless access control RACS AIR (ROGER)
- wireless access control APERIO (ASSA ABLOY)
- wireless access control SALLIS (SALTO)
- event recording for T&A reporting
- automation node status reporting
- automation node control from access terminals (readers)
- optional user authorization for any action in the system
- light scenes control
- wireless outputs for 230VAC load control
- optoisolated wireless inputs

- hardware integration with intruder alarm systems
- alarm system status display on access points
- intruder alarm system control from access points
- hardware integration with fire alarm systems
- multifunction parametric (EOL) inputs including Dual Wiring type
- multifunction outputs with action priority and signal modulation
- programmable global actions in response to selected events
- electric load control using reader with card holder

Building automation control

- automation node status reporting
- automation node control from access points
- optional user authorization for any action in the system
- light scenes control
- wireless outputs for 230VAC supply control
- optoisolated wireless inputs
- multifunction parametric (EOL) inputs including Dual Wiring type
- multifunction outputs with action priority and signal modulation
- programmable global actions in response to selected events
- electric load control using reader with card holder

Locker and cabinet access control

- locker and cabinet access control
- wired locks
- RWL-3 (RACS AIR) wireless locks
- individual locker or group of lockers controlled from single access point

Classic elevator access control

- up to 64 floors
- access terminal installed inside elevator cabin
- access schedules
- access exception schedules

KONE elevator access control

- up to 128 floors
- various call types
- access terminals installed on floors
- access terminal installed inside elevator cabin
- access schedules



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roger[®]

ROGER sp. z o.o. sp. k.
82-400 Sztum
Gościszewo 59
Poland

T. +48 55 272 0132
F. +48 55 272 0133
E. roger@roger.pl
www.roger.pl

