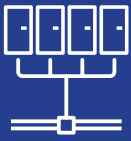


RACS 5

Access Control
and Building
Automation System

Access Control Kits

Up to 4 Doors
per Controller



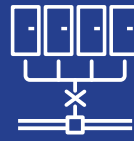
Simple Design
and Installation



Reduced Length
and Cross Section
of Cables



Limited Area
of Malfunctions
in Case of
Controller Failure



Access Control Kits

Access control kits are factory assembled and fitted devices, which constitute the main hardware core used for electronic doorway control. They are offered for one, two, three and four doors.

The kit includes an access controller, a mains power supply and an optional I/O line expander, all mounted in the metal housing. The sets have been designed in such a way as to enable two-way control of each of the supervised doorways and assure IOs lines for interfacing of a door opening sensor, exit button, electric lock and alarm siren. The principle was adopted that the access kit must provide 1 A supply current and the space for a backup battery with a capacity of not less than 3 Ah for each supported passage. The back-up battery is charged with a stabilized current and protected against deep discharge. The battery condition is monitored electronically.

The kits do not contain readers, which should be chosen according to the installation requirements. The sets can operate

with both MCT series (RS485) and Wiegand interface readers, in the latter case the number of readers is limited to 4. The use of sets simplifies both the system design process and its installation, minimizing the risk of problems resulting from incorrect selection of equipment.

The kits have been optimized for an economical selection of enclosures and power supplies. The price of the set corresponds to the sum of the prices of its components. Sets are mainly used in the so-called a distributed system of an installation in which access control devices are usually installed near controlled doors. The distributed variant ensures high stability of the operation of the entire access control system due to the division into groups of 1 to 4 doors managed by independent access control sets. Additionally, in this variant, there is usually no need for cables with increased cross-sections, since the length of the cable connections is relatively small, which reduces both the cost of the cables and the cost of their installation.

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