Roger Access Control System

External Antenna Module EA-1
Operating Manual

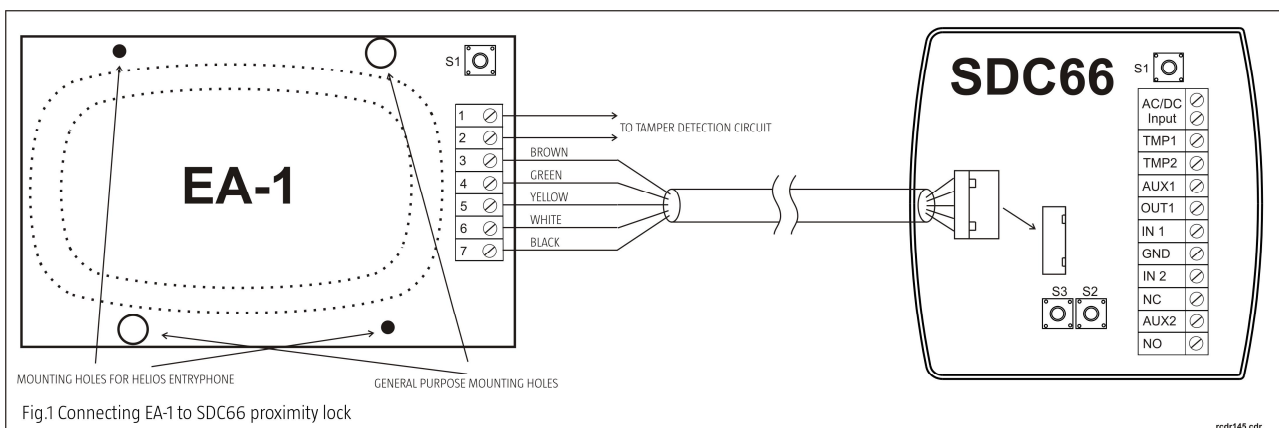*Hardware version: 1.0*

Rev. B

$$\mathsf{C}\,\mathsf{E}$$

General information

EA-1 module is dedicated to operate as external loop antenna, which can be connected to master proximity reader by means of included 1,5 meter length cable. EA-1 module is designed for installation inside the enclosure of Helios type entryphone phones made by company 2N. Device is equipped with speaker, which replicates acoustic signals from connected reader and with anti-sabotage (tamper) contact, which can be connected to external circuit of anti-burglary or anti-sabotage signalling. The module is protected against moisture and can be used outdoors if it is installed inside additional enclosure that provides protection against rainfall. EA-1 module can be connected to SDC66 lock (Roger) or other Roger card operated locks/access readers if they are equipped with adequate connector.

Installation inside HELIOS entryphone

The module must be installed inside the enclosure of the entryphone phone by means of fixing pins located at the bottom of the enclosure and then connected with included cable to SDC66 lock. The module must be pushed into fixing pins and no additional screws are required. Connection of EA-1 module with SDC66 lock is shown in figure below.

Note: Modification (e.g. shortening) of included cable is forbidden. Possible cable excess can be wind

Fig.1 Connecting EA-1 to SDC66 proximity lock

up and placed in convenient place.

The purpose of anti-sabotage (tamper) contact is to signal attempts of the enclosure opening. In normal condition i.e. when the module is installed inside entryphone phone and its enclosure is closed, there is shorting between TMP1/TMP2 tamper contacts. Enclosure opening results in interruption of connection between mentioned above contacts. Anti-sabotage (tamper) contact can be connected to anti-sabotage loop of alarm system or used to trigger dedicated alarming device.

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Fig.2 Installation of EA-1 module in HELIOS entryphone

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Technical specification		
Parameter	**Characteristics**	**Remarks**
Reading distance	Up to 10 cm for ISO proximity cards (dimensions of typical ATM card) or approx. 5 cm for proximity tags (key fob)	Reading distance is specified for model proximity cards in optimal position against the module, when card geometrical axis coincides with loop antenna geometrical axis. Reading distance can vary depending on the card type and the card producer.
Dimensions	85 x 58mm	
Connection cable length	1,5m	No cable modifications allowed
Environmental conditions	Temp.: -25°C- +60°C, Relative humidity: 10 to 95% (no condensation)	The module requires protection against rainfalls and can be used outdoors only if it is protected against rainfalls.
Certificates	CE	

	This symbol placed on a product or packaging indicates that the product should not be disposed of with other wastes as this may have a negative impact on the environment and health. The user is obliged to deliver used equipment to the designated point of collection of used electric and electronic equipment. For detailed information on recycling, contact your local authorities, waste disposal company or point of purchase. Separate collection and recycling of this type of wastes contributes to the protection of the natural resources and is safe to health and the environment. Equipment weight is specified in instruction.

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