DALLAS CHIP READER
CZ-DALLAS

The DALLAS chip reader is a device designed to read the unique chip code. It can interface with the **CA-64 DR** expander for DALLAS chips readers. It can be used to perform the access control functions in alarm systems based on the CA-64 or INTEGRA alarm control panels.

The reader has a built-in two-color (red and green) LED, which may be used for communication between the alarm control panel and the user.

LED
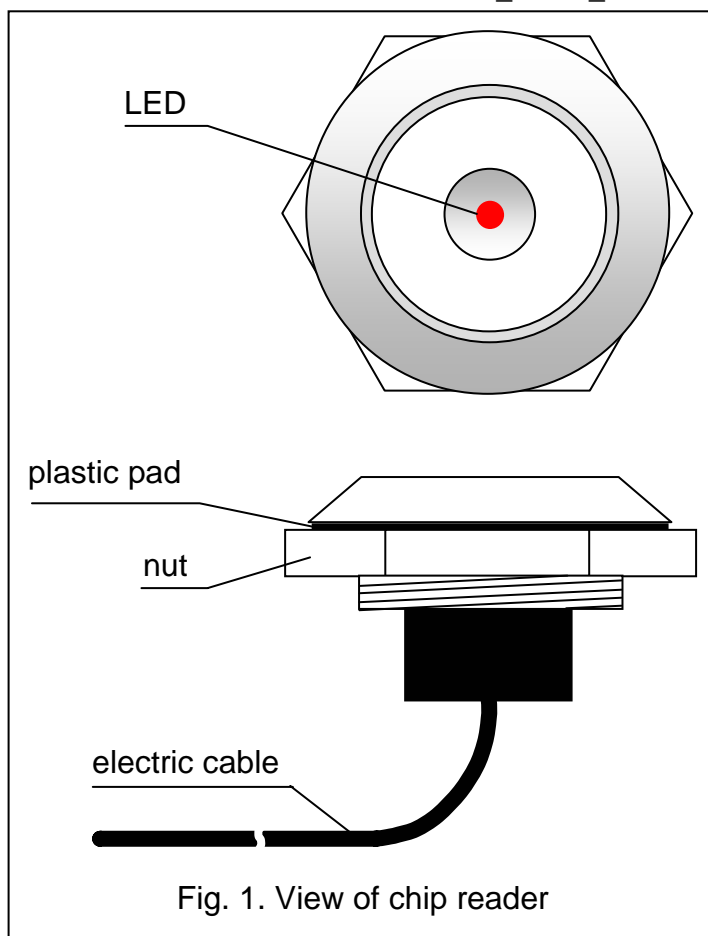
plastic pad

nut

electric cable

Fig. 1. View of chip reader

In order to get access, put the chip into the reader recess to close the electric circuit. The reader will read the chip code and the alarm control panel will react according to the preprogrammed function and authority level of the user of the particular chip, e.g. it will release an electromagnetic door lock.
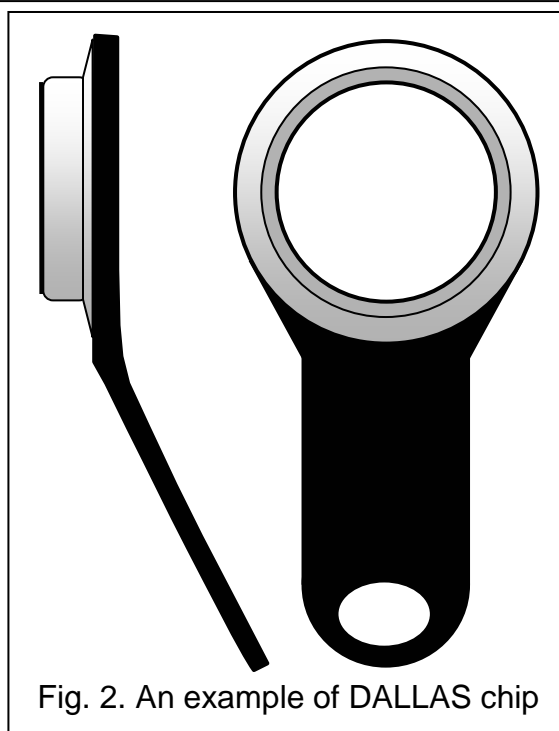
Fig. 2. An example of DALLAS chip

INSTALLATION AND CONNECTION

The reader can be installed on partitions down to **3mm** thick. In order to install the reader, drill a hole with a diameter of **20mm**, put the reader into the hole and secure it from the inside with the fastening nut. In case of partitions having a larger thickness, it is possible to fasten the reader by means of a suitable mounting glue.

The cable consists of five electrical wires which should be connected to corresponding terminals of the CA-64 DR expander.

Description of the wires:

white – data
gray – common (data)
green – green LED anode
brown – red LED anode
yellow – LED cathode (common)

It is possible to connect two chip readers to the expander, one as the reader A, the other as the reader B.

NOTE: *For the expander to operate with the DALLAS readers, the DIP-switch No. 8 must be set in ON position.*

Connecting the reader to the expander terminals:

Color of DALLAS chip reader wires	Designation of CA-64 DR module terminals	
	Reader A	Reader B
gray, yellow	COM	COM
white	SIGA	SIGB
green	LD1A	LD1B
brown	LD2A	LD2B