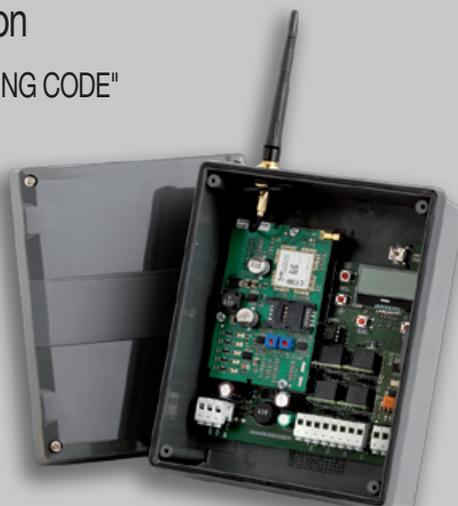




OUTDOOR RECEIVER WITH LCD DISPLAY and GSM function

433 MHz "FM" "ROLLING CODE"

S449
CARDIN



S449

RCQ449GSM

The radio control system S449 contains within its range of products a modular outdoor receiver which allows code management via GSM. RCQ449GSM is in fact a highly professional, state-of-the-art appliance respecting the characteristics and standards of all Cardin products aimed at qualified technicians.

High efficiency and top quality performance stand out as the most evident qualities of an appliance that has been meticulously designed and studied even down to the smallest detail: from the shockproof and waterproof container, to the dedicated antenna and extractable GSM module and from easy access to the wiring and connections to the efficient visualisation of the functions via LCD display.

This appliance expands the use of the S449 system as it not only permits the usual command method of the traditional remote control device (operational distance of 100 to 200 metres) but it also allows command via GSM which obviously has no limit to its range.

The GSM receiver will be of great service to the specialised technician who manages complex installations which require frequent user programming and cancellation and will become indispensable to the end user who wishes to enable and disable automatic closing systems from remote positions in reliably and in total security.

USE

Practical application

Thanks to the GSM module, avant-garde software and a highly efficient signal reception apparatus RCQ449GSM allows remote management (without range limits) of all installations that require remote control via radio (automatic entry systems, access control, car-parks etc.). The appliance is ideally suited to installations with a great many users and that require frequent upgrading and modification of the codes.

The USB connection, the programming and setting buttons and the efficient display allow the appliance to be easily configured.

The installation management functions are:

- transmitter code memorization
- transmitter code cancellation
- channel mode setting (outputs)

The device command system allows one or more outputs (one or more channels) to be activated via GSM or SMS from telephonic appliances that have been previously enabled.

Transmitter

Receiver IP55

Display visualisation

GSM module

GSM antenna



TECHNICAL SPECIFICATIONS

| | |
|---|--------------|
| - reception frequency | 433,92 MHz |
| - modulation | FSK |
| - radio frequency module antenna | ANS400 |
| - antenna impedance in input..... | 50Ω |
| - receiver power supply | 12/24 Vac/dc |
| - maximum power consumption active/at rest | 70 ÷ 300 mA |
| (depends on the number of active relays and the modem status) | |
| - maximum commutable power at the relay with ac/dc resistive load | 60VA/24W |
| - maximum voltage applied at the relay contacts | 30 Vac/dc |
| - relay activation delay time | 0,1 ÷ 1,5 s |
| - maximum relay setting time | 255 s |
| - operating temperature range | -20°...+55°C |



RCQ449GSM FUNCTIONS

Programmable impulsive/ON-OFF/timer-controlled relays

The GSM receiver is housed in an IP55 outdoor container in ABS, fitted with a 13-way terminal board with 12/24V ac-dc power supply between binding posts 1,2 and 3.

The alphanumeric display permits all settings and configuration to be carried out by means of a user friendly menu.

The receiver can be fitted with up to four programmable channel modules (impulsive/ON-OFF/timer controlled) with NO/NC output contacts that can be selected using jumpers.

The USB connection allows the users stored in memory to be managed directly through the use of the PGM449SW software that can be downloaded from the website www.cardin.it.

The GSM module allows the users stored in memory to be managed and the activation of the output contacts from remote locations using the mobile communications network.

