



AC-G43 / AC-G44

500 User PIN and Prox & Pin Stand-Alone Controller

Rosslare's newest stand alone backlit controllers, AC-G43 and AC-G44 are a solution for indoor and outdoor systems where PIN and Prox & Pin credentials are required, and there is no PC required. These two stand alone controller models offer 500 user smart enroll and delete, 3 security modes, with 2 relay outputs, optical tamper, LED control, internal Prox Reader (AC-G44 only).

GENERAL SYSTEM DESCRIPTION

The AC-G44 Prox & Pin stand-alone controller, and AC-G43 PIN only stand-alone controller have been designed to be the most cost effective solution for outdoor residential, commercial, and industrial applications.

The controllers are capable of handling up to 500 users, each user capable of being assigned with one or two codes, providing the capability to have three different security levels.

The AC-G44 contains a built-in proximity card reader enabling dual technology Prox & Pin codes for added security.

Housed in a rugged poly-carbonate Ultra Violet (UV) resistant enclosure and completely epoxy potted the AC-G44 and AC-G43 are ready to function rain or shine.

Featuring a backlit keypad, by day the keypad buttons are white and easily read, as night approaches the backlit buttons begin to glow red to be easily seen at night.

With two 5A Form C relay outputs and two inputs the AC-G44 and AC-G43 can function as a single door controller or even a two door controller and more....



Figure 1: AC-G43 / AC-G44

DAY AND NIGHT USE – ALWAYS STAYS BACKLIT



NIGHT TIME ----- EVENING ----- MORNING ...

ADVANCED FEATURES

- > 500 users mullion mount stand-alone controller
- > Waterproof and Ultra Violet (UV) Resistant
- > Built in Proximity Card Reader (AC-G44 Only)
- > Built in backlit keypad for PIN Code Entry
- > Two Form C Output - Lock Strike and Auxiliary Output
- > Two Inputs - REX and Auxiliary Input
- > Two Status / Programming LED's
- > Ten Auxiliary Modes including:
 - Door Ajar
 - Forced Door
 - Alarm Shunt
 - Door Monitor
 - LED Control
- > Built In internal buzzer
- > Three User Levels
 - Normal User - Requires one code.
 - Secure User - Requires two codes, e.g. Prox & Pin
 - Master User Three modes of operation:
- > Three Access modes
 - Normal Mode
 - Bypass Mode
 - Secure Mode
- > Door sounder (with BL-D40)
- > Built in case and back tamper (with BL-D40)
- > Comes with Installation Kit
- > Comes with Mounting Template

GLUE-LESS DOOR CONTROL COMPATIBILITY

Rosslare's AC-G44 and AC-G43 are compatible with a variety of Hardware accessories used in the market, and is directly compatible with the Rosslare BL-D40 to add Door sounder and Tamper Alarm functionality to your system. With the BL-D40 the * button can be used as a door sounder.

500
USERS

12 to 24V
AC or DC

DOOR SOUNDER
WITH BL-D40

8
BACKLIT
KEYPAD

ROSSLARE[®]
SECURITY PRODUCTS

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AC-G43 / AC-G44

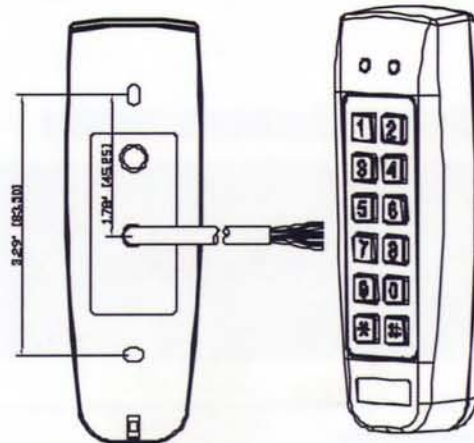
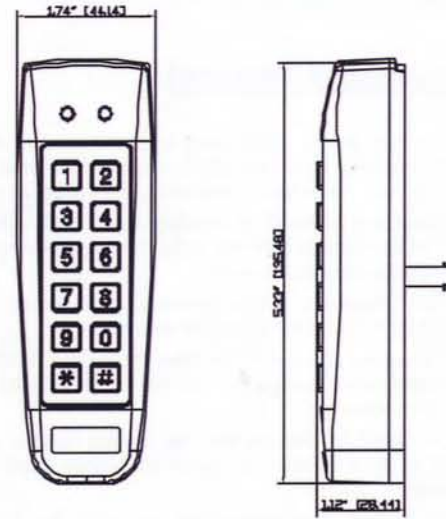
500 User Stand-Alone Access Control Unit

ELECTRICAL CHARACTERISTICS

Operating Voltage Range:	
12 to 24V DC	From a Regulated Power Supply
or	
12 to 24V AC	From a Transformer
Maximum Input Current at 12V:	
Standby: 70 mA	Not including attached devices
Max: 145 mA	Not including attached devices
Relay Outputs:	
Lock Strike Relay	Form C, 5A
Auxiliary Relay	Form C, 5A
Inputs:	
REX	N.O., Dry Contact
Auxiliary Input (In / Monitor)	N.O., Dry Contact
LEDs:	
Two Tri-colored LEDs	
Built-In Proximity Reader:	
Read Range*	2.5" (65 mm)
Modulation	ASK at 125 kHz
Compatible Cards	All 26-Bit EM Cards

* Measured using Rosslare Proximity Card AT-R14 or equivalent. Range also depends on electrical environment and proximity to metal.

MECHANICAL DIMENSIONS



ELECTRICAL CHARACTERISTICS

Operating Temperature:	-22°F to 150°F (-30°C to 65°C)
Operating Humidity:	0 to 95% (Non-Condensing) Suitable for outdoor use. (IP 65)

MECHANICAL CHARACTERISTICS

Dimensions:	5.33" (135 mm) L x 1.74" (44 mm) W x 1.12" (28 mm) D
Weight:	0.39 lbs (178g)

COMPATIBLE ACCESSORIES



BL-D40
External Sounder



EX-01
REX Switch



AT-R14
Clam Shell Prox Card



AT-R11
ISO Prox Card



PS-C17
2 Amp Power Supply



PS-C16
1.2 Amp Power Supply



AT-32B
Prox Tag / Key FOB



AT-32W
Prox Tag / Key FOB

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