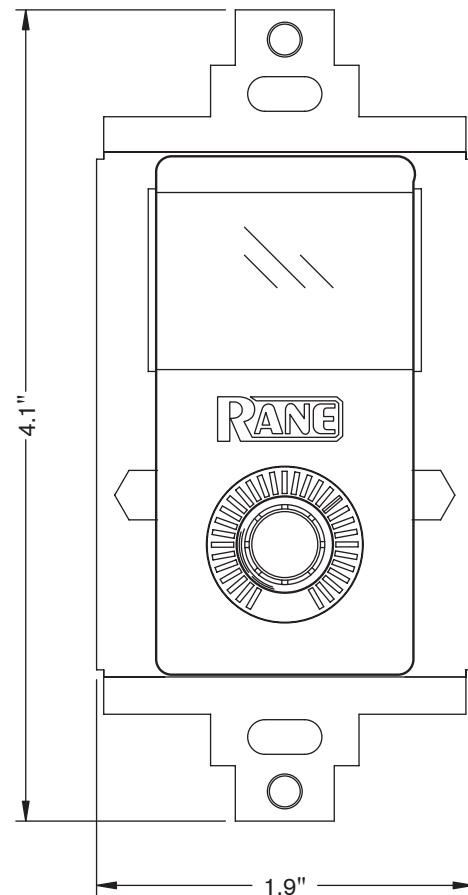## General Description

The Rane SR 3 Smart Remote is a generic, wired, RS-485 remote control with a 31-position LED indicator, data encoder with built in push switch and a 98 x 64 pixel LCD display with a programmable backlight. SR Configurator software (included) sets up the SR 3 device. The encoder can be locked out by grounding the Encoder Lock terminal and enabling Auto Lock in the SR Configurator software. Up to 16 bitmaps can be stored locally in the SR 3 EEPROM and can be automatically recalled to correspond with different system modes. Screens are dynamically created using built-in, read-only character fonts. The SR 3 contains two types of fonts: text and symbol. The text font characters are standard ASCII and come in three sizes: small, medium and large. The symbol font icons (graphic symbols) map to standard ASCII characters and come in two sizes: medium and large. The simple icons can be used instead of, or in addition to, text and graphics. The SR 3 can be configured to automatically handle the data encoder, screen graphic image selection and lockout functions, or these can be handled manually by a host controller via Rane RW 485 protocol.

The SR 3 is electrically compatible with standard RS-485 interfaces plus power, thus requiring only a CAT 5 cable with two twisted pairs. A chassis terminal is provided for shielded termination when shielded CAT 5 cable is used.

The SR 3 mounts in a standard U.S. electrical box with a minimum depth of 2¼ inches, and can be flush covered with a standard Decora® plate cover. Since Decora plates come in different colors, each SR 3 ships with four, different inserts that install behind the lens. Colors included are white (w/ black logo), white (w/ almond logo), almond (w/ black logo) and black (w/ white logo) which accommodate most applications. If the architect or interior decorator requires a custom color, a template is available allowing a custom insert to be made (out of the wall paper if need be) and cut to the proper size.

Applications

- 1 to 8 Remotes can Control Many Zones
- Use the SR 3 as a Generic RS-485 Control to:
    - ° Select sources and adjust volume
    - ° Select memories for room combining
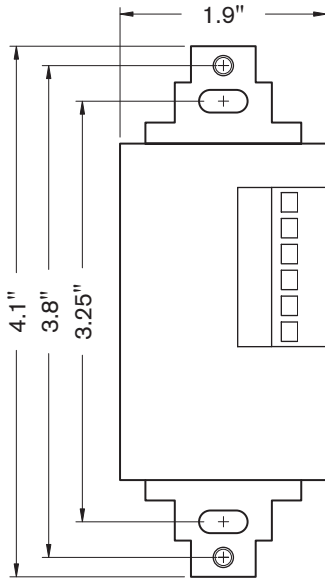

4.1"

1.9"

Features

- Data Encoder with Integrated Push Switch
- Illuminated 31-segment orange Level indicator
- Built-in 98 x 64 pixel liquid crystal display
- Programmable Backlight with Auto-on and Auto fade-out
- Built-in, read-only Fonts
- Internal storage for title page plus 16 quick display bitmaps
- Allows up to 8 Remotes on a single RS-485 connection
- Fits standard U.S. electrical box
- Standard Decora color schemes included
- Pluggable Euroblock connector
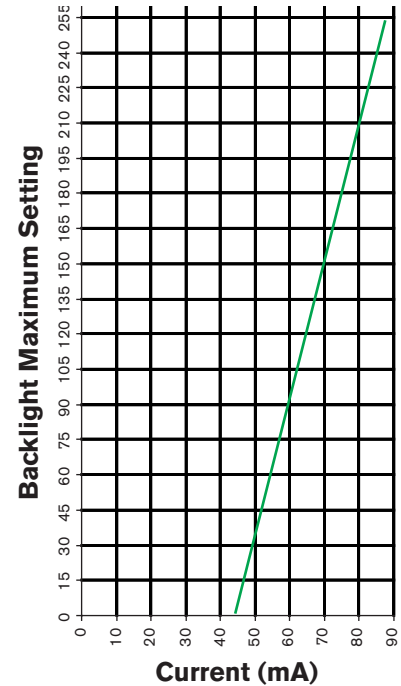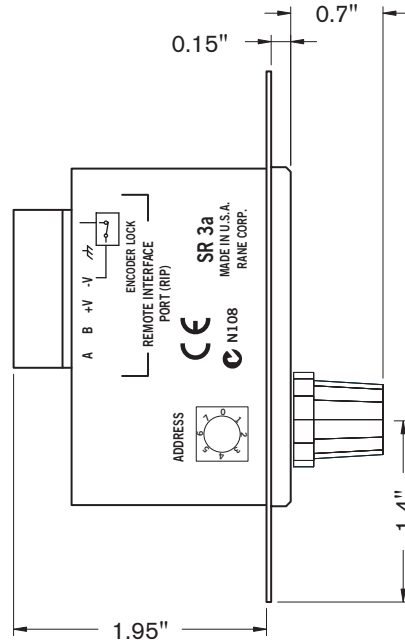- Star and/or series wiring compatible

Rane
D I G I T A L

Chassis Rear

Chassis Side

ENCODER LOCK
REMOTE INTERFACE
PORT (RIP)

A B +V -V

SR 3a
MADE IN U.S.A.
RANE CORP.

CE N108

ADDRESS

1.9"
4.1"
3.8"
3.25"

0.15" 0.7"
1.4"
1.95"

Backlight Maximum Setting

Current (mA)

Note: Due to the width of the SR 2 and SR 3, they cannot be mounted immediately next to another SR 2 or SR 3 and have a dual Decora plate fit the front. However, other remotes can be mounted next to the SR 2 or SR 3, such as the LRS 4, MRS 4, VR 1 or VR 2. If you want two SR 2 or SR 3s next to each other, you will need two single gang boxes mounted with enough space to allow room for the two decor plates.

Parameter	Specifications	Limit	Units	Conditions/Comments
I/O: Type	RS-485			
..........Connector	Euroblock			
..........Impedance	12k	min	Ω	Receive Mode
..........Baud Rate	38400	<1%	bps	RW 485 baud rate
	9600	<1%	bps	Programmable
	19200	<1%	bps	Programmable
	57600	<1%	bps	Programmable
	115200	<1%	bps	Programmable
..........Data Format	N81			No parity, 8 data bits, 1 stop bit
Power Supply Requirement				
.........Supply Voltage	7	min	VDC	DC voltage @ +V referenced to -V
	16	max	VDC	DC voltage @ +V referenced to -V
..........Supply Current	45	+1	mA	Back light off, communication idle
	90	+1	mA	Back light max brightness, communications idle
	118	+2	mA	RW 485 network, no termination, comm. active
Agency Listing	CE (EMC)			EMC directive 89/336/EEC
	CE (safety) Exempt			Exempt per article 1, LVD 73/23/EEC
Unit: Construction	Steel			Chassis
	Polycarbonate			Lens
..........Size	4.1"H x 1.9"W x 2.8"D			(10.4 cm x 4.8 cm x 7.1 cm)
..........Weight	8 oz			(0.23 kg)
Shipping: Size	3.6"H x 11.75"W x 7.2"D			(9.2 cm x 30cm x 18 cm)
..........Weight	1 lb 8 oz			(0.69 kg)

All features & specifications subject to change without notice. DOC 106401 PN 12103