

## Crystal Surface Mount LED Edge-lit Exit Signs

The Crystal Surface Mount Edge Lit Exit Sign is field adjustable for wall or ceiling mount. The edge-lit panel is constructed of high-grade acrylic with custom graphics and directional arrows to point towards the exit direction. Ultra high output LEDs produce brilliant graphic illumination well above code minimums.

### FEATURES

- Extruded aluminum LED lamp housing mounts to a form- fitting canopy in solid aluminum that contains a "cam lock" device, which is field adjustable for wall or ceiling mount.
- Standard finishes: Satin white enamel and brushed aluminum. Optional finishes: Painted colors in any custom shade, or anodized finishes in satin bronze, polished gold, mirror silver & many others.
- Diamond polished acrylic lenses for optimum light transmission, exterior quality and high brightness.
- Ultra high output LEDs with up to 5 candela output in green or red produce brilliant graphic illumination well above code minimums.
- An advanced microprocessor monitors all charger functions and battery condition continuously, with software to automatically perform all tests and visual indications required by UL Standard 924 and NFPA 101

### ELECTRONICS

- Self-Test/Self-Diagnostic operation in battery backup versions.
- Low Voltage Disconnect prevents deep battery discharge
- Universal 120/ 277 VAC input for standard battery or AC unit, or 24 VDC input for remote configuration.
- Remote Model RE may be connected to one of the following:
  - Series CBS UNIVERSAL CENTRAL BATTERY SYSTEM
  - Series MTL MASTER-REMOTE SYSTEM
- Power supply is surge and spike protected.
- The complete power supply module with optional NICAD battery pack is sealed within a plastic enclosure. AC and DC wiring is quickly attached with plug connectors.
- Standard Operating Temperature: 0°C to 50°C



PROJECT:

TYPE:

CATALOG #:

U.S. Patent 5, 276, 591

**CRYSTAL**™  
**Series CRS**  
REV #: CRS.12.25.22

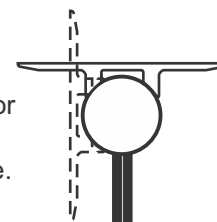


Custom Graphics



### MOUNTING

- Field selectable wall or ceiling mount.
- No exposed hardware.



### CODES

- Manufactured and tested to UL Standard 924, NFPA Life Safety Code 101, and certified to Ip66.

### WARRANTY

- 5 year total customer satisfaction warranty.
- For details see Signtex product catalog technical data section.

### ORDERING INFORMATION EXAMPLE: CRSBB-1RCBA-NA-TW-DG

CRS	BB	-	1	R	C	-	NA	-	TW	-	DG
MODEL SERIES	OPERATION		NO. of FACES	LETTER COLOR	BACKGRD COLOR	STANDARD TRIM FINISH	ARROW DIRECTION		MOUNT		OPTIONS
CRS	BB Battery Backup NB No Battery(AC Only) REC Remote w/ Central Battery System REP Remote DC Power From Power Supply or POE system		1 Single 2 Double	R Red G Green	C Clear M Mirror W White K Black X Custom	W White K Black A Alum B Satin Bronze X Custom	NA No Arrow AB Arrow Both < > AR Arrow Right > (SF)* AL Arrow Left < (SF) LR Single Arrow > (DF)  CX Custom Graphics		TW Universal (Top or wall)		SEE PAGE 2.

### SUGGESTED SPECIFICATIONS:

Install Signtex CRYSTAL Series CRS recessed LED exit signs, available as unit equipment or as a remote device connected to a central battery power source. The lamp housing and canopy shall be of extruded aluminum, graphic lenses shall be optical grade acrylic with diamond polished edges. Lighting uniformity shall be better than 4:1 when measured over any illuminated area and average brightness will exceed 6 ft Lambert (21 Cd/m<sup>2</sup>). Life expectancy of the LEDs shall be in excess of 20 years. The power supply and charger shall be an isolated digital type with regulated current and voltage output to the lamp load and batteries (emergency models). AC supply shall be universal 120/277 VAC input via two-wire feed. One standard power supply shall be capable of driving up to 5 single face remote signs in addition to the master, with emergency operation at least 90 minutes for each sign. Battery charge time to restore full capacity after discharge shall be less than 24 hours.

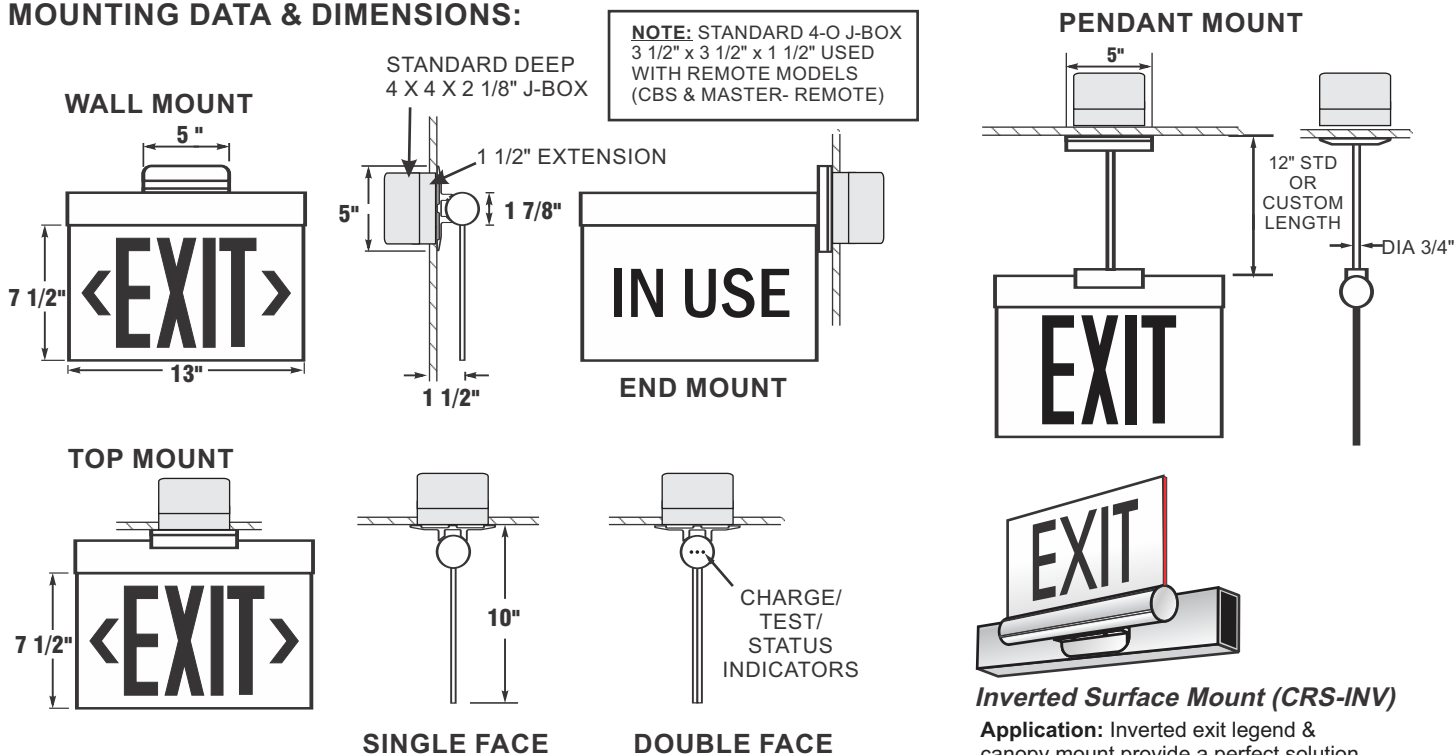
### OPTIONS:

### CODE

Auto Battery Diagnostics	-----	DG
Damp Location	-----	DP
Dual AC Input (120 VAC)	-----	DAC120
Dual AC Input (277 VAC)	-----	DAC277
2 Hour Emergency Operation	-----	2EM
End Mount (Left/ Right)	-----	LE/RE
Pendant Mount 12"	-----	PEN
Pendant Mt (Custom Length)	-----	PENX
Mullion Mount	-----	MM
Inverted Graphics	-----	INV
48VDC input (REP Models)	-----	48
60VDC input (REP Models)	-----	60

**NOTE: PRE- INSTALL 4" X 4" X 2 1/8" DEEP J- BOX WITH 1 1/2" EXTENSION RING FOR BB & NB MODELS**

### MOUNTING DATA & DIMENSIONS:



### BATTERY DIAGNOSTIC FUNCTIONS:

Microprocessor programmed to perform tests as follows:

Continuous Monitoring w/ 1 Second Sampling	Every 28 Days	Every 12 Months
Lamp Connections	Transfer switch function	Full 90 minute emergency operation test with test/ fail and manual report signal
Battery Connections	Battery discharge rate under full load	Test switch indicator function

### SELF- TEST DIAGNOSTIC FUNCTIONS

### LOAD SPECIFICATIONS FOR CENTRAL BATTERY SYSTEM

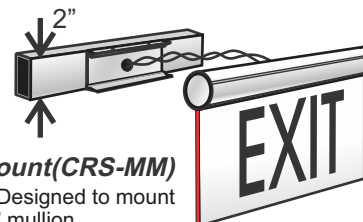
FIXTURE	EPR (Watts)
CRS1RE	2
CRS2RE	4

EPR= Emergency Power Rating for Battery

STATUS	LED DISPLAY
NORMAL MODE	OFF
FAILED LAMP	GREEN
FAILED CHARGER	RED
FAILED TRANSFER	ORANGE
FAILED BATTERY	RED FLASH
FAILED ANNUAL TEST	ORANGE FLASH

### Mullion Mount(CRS-MM)

Application: Designed to mount directly to a 2" mullion.



### DISTRIBUTOR

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LIGHTING  
Specifications and dimensions subject to change without notice.