

## Crystal Recessed LED Edge-lit Exit Signs

The Crystal Recessed LED Edge Lit Exit Sign is suitable for almost any mounting configuration. The edge-lit panel is constructed of high-grade acrylic with custom graphics and directional arrows to point towards the exit direction. The removable front cover makes installation and maintenance headache-free!

PROJECT:

TYPE:

CATALOG #:

U.S. Patent 5, 276, 591

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



### FEATURES

- An extruded aluminum LED lamp housing is fitted within a recessed back box fabricated from 18 SWG galvanized steel.
- Standard finishes: satin white enamel and brushed aluminum.
- 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 standard 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

### 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.



END MT  
STANDARD



END MT  
FREE LENS



TOP MT  
RECESSED



STANDARD  
WALL MT



"WATERFALL"  
WALL MT



### ORDERING INFORMATION EXAMPLE: CRRBB-1RCBA-NA-T-DG

CRR	BB	-	1	R	C	A	-	NA	-	T	-	DG
MODEL SERIES	OPERATION		NO. of FACES	LETTER COLOR	BACKGRD COLOR	STANDARD TRIM FINISH		ARROW DIRECTION		MOUNT		OPTIONS
CRR	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		T Top W Wall		SEE PAGE 2.

# Crystal Recessed LED Edge-lit Exit Signs

**CRYSTAL™**

**Series CRR**

REV #: CRR.12.25.22

## SUGGESTED SPECIFICATIONS:

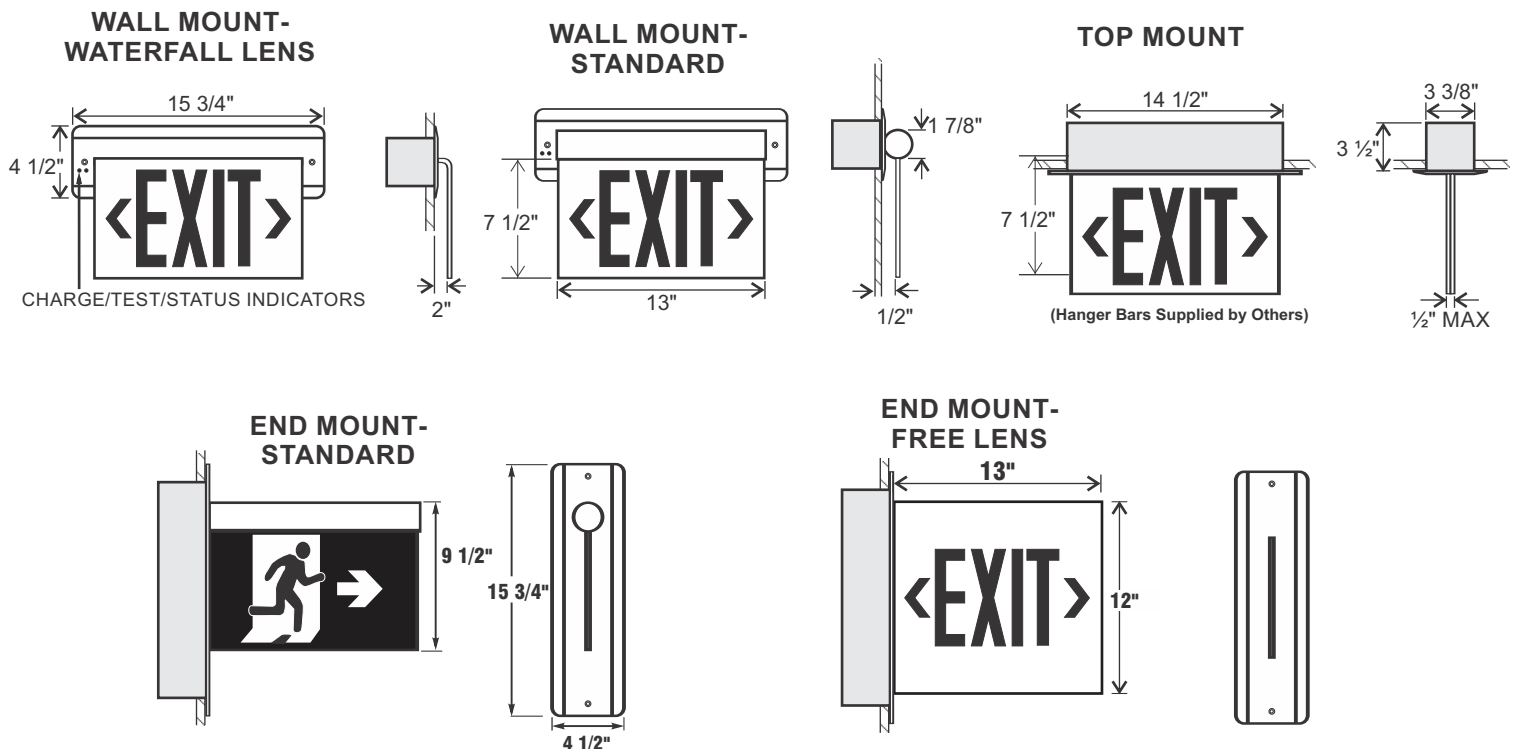
Install Signtex CRYSTAL Series CRR recessed LED exit signs, available as unit equipment or as a remote device connected to a central battery power source. The lamp housing and canopy shall be of extruded aluminum, graphic lenses shall be optical grade acrylic with diamond polished edges. Lighting uniformity 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
End Mount- Free Lens(Left/Right)---	LEF/REF
Waterfall Wall Mount-Clear -----	WFC
Waterfall Wall Mount-Backplate ----	WFB
48VDC input (REP Models) -----	48
60VDC input (REP Models) -----	60
Stainless Steel Trim -----	SS

## 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

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

## LOAD SPECIFICATIONS FOR CENTRAL BATTERY SYSTEM

FIXTURE EPR (Watts)

CRR1RE 2

CRR2RE 4

EPR= Emergency Power Rating for Battery Load

## DISTRIBUTOR

Contact Signtex for layout assistance.

Code compliant emergency lighting layouts provided!

Specifications and dimensions subject to change without notice.