

# OPTIONS & SELECTION GUIDES

## TN (Twisted Nematic)

### STN (Super Twisted Nematic)

- | STN type offers high contrast and wide viewing angle.
- | STN type is available with different background colors;
- | Yellow-green w/black characters
- | Silver-gray w/dark blue characters
- | Dark blue w/white characters

### FSTN (Film STN)

- | Black and white STN with very high contrast ratio for large graphic panels.

## BACK LIGHT

### EL (Electro- luminescent)

- | Power efficient

### LED with a choice of colors

- | Bright and even back lighting
- | Long life expectancy, more than 100,000 hours
- | Simple to drive. Needs +5 volts only
- | Brightness can be easily adjusted

### CCFL (Cold Cathode Florescent Light)

- | Paper white, best for large graphic displays
- | Less power consumption than LED's

## DISPLAY TYPE

- | Positive image (Dark dots on light background)
- | Negative image (Light dots on dark background)

## VIEWING ANGLE

- | 12:00 (Top) Display is below eye level
- | 6:00 (Bottom) Display is above eye level

## TEMPERATURE RANGE

	OPERATION (°C)	STORAGE (°C)
STANDARD	0 ~ +50	-20 ~ +70
EXTENDED	-20 ~ +70	-30 ~ +80

## SELECTION GUIDE

DISPLAY/POLARIZER	DISPLAY DESCRIPTION	OUTDOORS	OFFICE LIGHT	SUBDUED LIGHT	VERY LOW LIGHT	COMMENTS
REFLECTIVE POSITIVE	DARK CHARACTERS ON A LIGHT GREY OR YELLOW BACKGROUND	EXCELLENT	VERY GOOD	POOR	UNUSABLE	CAN'T BE BACK LIT
TRANSFLECTIVE POSITIVE	DARK CHARACTERS ON A LIGHT GREY OR YELLOW BACKGROUND	EXCELLENT	VERY GOOD	VERY GOOD	EXCELLENT	BEST CHOICE FOR GENERAL USE
TRANSMISSIVE NEGATIVE	LIGHT CHARACTERS ON A DARK BACKGROUND	POOR	GOOD	VERY GOOD	EXCELLENT	MUST BE USED WITH A BACK-LIGHT
TRANSMISSIVE POSITIVE	DARK CHARACTERS ON A LIGHT GRAY OR YELLOW BACKGROUND	GOOD	VERY GOOD	EXCELENT	EXCELLENT	HIGH CONTRAST DISPLAY

# TEMPERATURE COMPENSATION & EL LIFE TIME

