

Description

The LCD Replacement Kit enables the replacement of CRTs originally supplied in Standard and Signature Series Consoles, Panel Mounts and Table Tops with the latest in LCD (Liquid Crystal Display) technology. The LCD offers improved brightness, legibility, and reliability in an integrated packaged designed to compliment your existing console investment.

Each kit provides an industrial-grade LCD, a bezel, brackets, cables, fasteners, and detailed instructions needed to complete an on-site upgrade.



Specifications

The following table summarizes the LCD display specifications:

Item	Specification
Size	18.1 inch TFT
Resolution	1280 x 1024 @75 Hz - native resolution
Pixel Pitch	0.28mm H & V
Luminance	200 Nits
Contrast Ratio	300:1
View Angle	+/-85 Deg.
Backlight MTBF	50,000 Hours
Backlight Replacement	Yes, backlights may be replaced.
Touchscreen	Capacitive
Altitude, Operating/Storage	4850m [15,913ft] / 13,600m [44,622ft]

Benefits

The displays provided in the upgrade kits are industrial quality LCDs. As such, they provide unique benefits not found in commercial, off-the-shelf LCDS.

Integration

Each kit has been designed to compliment you current console investment. All bezels, brackets and trim pieces are provided in the original console colors. Brackets have been design to fit into the existing consoles with little modification needed on-site. Saving you time and money on installation costs. A single installation can be completed in under three hours.

Consistency and Quality

The LCDs provided in these kits maintain a consistent color, contrast, and brightness from unit to unit. Whether installed all at one once, or over a period of months, each LCD installed will look identical. These high quality LCDs have been designed to provide years of un-interrupted service.

Touchscreen Support

A capacitive touchscreen option provides continued support for existing touchscreen users. In addition, touchscreen functionality can now be added to consoles that currently lack this functionality.

Life Expectancy

Unlike CRTs, LCDs contain no phosphor which decays over time. The life expectancy of an LCD is up to three times that of a CRT. The backlight is the major component that most often needs to be replaced in an LCD. Unlike commercial quality LCDs, the LCD used in ABB's LCD upgrade kits contain replaceable backlights. The total cost of ownership favors using an LCD with replaceable backlights

Reduced Power and Noise Levels

ABB's LCD uses only 45 Watts, compared to the 115+ Watts used by a typical 19" CRT. As a result, cooling fans currently in the consoles may be removed. This further reduces power consumption as well as reducing fan noise.

Special Control Features

The LCD kit contains a custom designed control board that restricts access to LCD adjustments. This exclusive, user selectable feature, prevents operators from changing screen settings that could affect the visual appearance of the LCD display. While brightness and contrast are always available, color, clock phase, image size and position may be restricted. Brightness cannot be reduced to a blank screen which means your process is always visible.

Support

The LCD supplied in the upgrade kit is fully supported by ABB. Spares and replacement parts are stocked and available from ABB.

For the latest information on ABB visit us on the World Wide Web at <http://www.abb.com>



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