

# DIS1710 Local Controller Display

## Product Bulletin

MS-DIS1710-0

Code No. LIT-12011273

Software Release 5.1

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Refer to the [QuickLIT Web site](#) for the most up-to-date version of this document.

The DIS1710 Local Controller Display is a member of the Metasys® system family of controllers. It is a stand-alone display module installed on the front panel of an enclosure and connected to a Network Control Engine (NCE) or Field Equipment Controller (FEC). The DIS1710 display provides a local user interface into the application running in the field controller. The display allows you to monitor and adjust setpoints, issue commands, change occupancy, and perform many other important tasks.

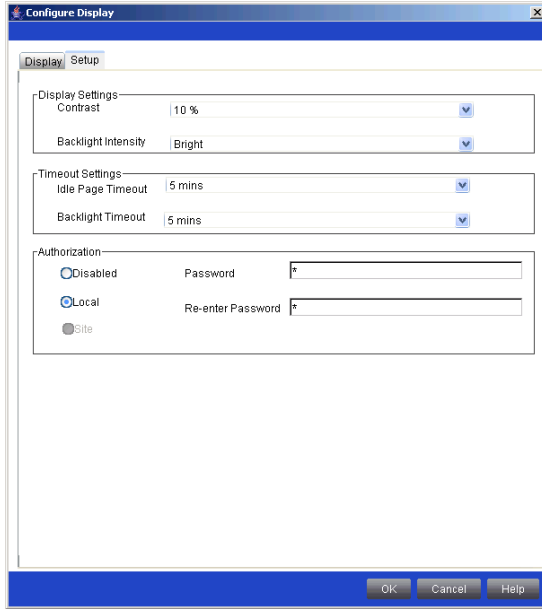


**DIS1710 Local Controller Display**

**Table 1: Features and Benefits**

Features	Benefits
<b>At-a-Glance System Status</b>	Allows you to quickly view the current status of monitored points without logging in.
<b>Complete Access to Operating Parameters and Setpoints</b>	Allows you to conveniently view and change the controller's operating parameters and setpoints.
<b>Menu-Based Screen Design</b>	Provides an intuitive user interface through the use of a simple keypad.
<b>Tactile-Feel Keypad</b>	Provides comfortable and durable keys.
<b>Backlit Liquid Crystal Display (LCD)</b>	Displays information in easy-to-read, English text messages with constant backlight that brightens during user interaction. Contrast and brightness are adjustable to ensure excellent readability in low-light environments.
<b>Customized User Preferences</b>	Allow you to specify parameters such as password timeout and time/date format.
<b>Password Protection (Optional)</b>	Secures the display from unauthorized users.
<b>Easy Panel Installation</b>	Installs quickly and simply into the preformed cutout in a panel.
<b>Compatibility with All NCE and FEC Models without Integral Displays</b>	Provides a user interface for controllers that lack an integral display.





**Figure 4: Display Setup Screen - CCT**

## Conclusion

The DIS1710 Local Controller Display offers a very attractive, easy-to-navigate interface to the NCE or FEC. Users appreciate the convenience and simplicity of monitoring and adjusting building conditions at a local device. The display represents a superior addition to the Metasys system extended architecture product line.

## Ordering Information

Contact the nearest Johnson Controls® representative to order the Metasys system Local Controller Display and other related products. Specify the product code number from Table 2. See Table 3 for available accessories.

## Repair Information

If the DIS1710 Local Controller Display fails to operate within its specifications, replace the unit. For a replacement display, contact the nearest Johnson Controls representative.

**Table 2: DIS1710 Ordering Information**

Product Code Number	Description
MS-DIS1710-0 <sup>1</sup>	MS-DIS1710-0 Local Controller Display

1. Also available in a Buy American version (add a **G** after the code number). For repair parts, replace the **0** suffix with **-702**.

**Table 3: Accessories (Order Separately)**


Product Code Number	Description
MS-BTCVT-1	Wireless Commissioning Converter, with Bluetooth® Technology
MS-ZFRCBL-0	Wire harness required for a DIS1710 Local Controller Display (or network sensor) when an FEC1610 Controller uses the MS-ZFR1811-0 Wireless Field Bus Router.

## Technical Specifications

### DIS1710 Local Controller Display (Part 1 of 2)

Product Code Number	MS-DIS1710-0 Local Controller Display for Field Equipment Controllers
Power Requirement	Nominal 15 V provided by controller over SA Bus
Power Consumption	2 VA maximum
Ambient Operating Temperature	0 to 50°C (32 to 122°F)
Ambient Operating Conditions	10 to 90% RH, 30°C (86°F) maximum dew point
Ambient Storage Temperature	-40 to 70°C (-40 to 158°F)
Ambient Storage Conditions	5 to 95% RH, 30°C (86°F) maximum dew point
Terminations	RJ-12 6-pin jack at Service Port (covered by removable cap-plug) SA Bus connection on back of unit
Processor	Renesas™ H8S-2398 32-bit microprocessor

## DIS1710 Local Controller Display (Part 2 of 2)

<b>Memory</b>	256 KB Flash Memory 8 KB Random Access Memory (RAM)
<b>Operating System</b>	RTOS-H8S
<b>Network and Serial Interfaces</b>	Communication to controller over SA Bus
<b>Graphic Display Resolution</b>	240 x 64 pixels with white LED backlighting (adjustable)
<b>Dimensions (Height x Width x Depth)</b>	85.9 x 238 x 25.8 mm (3.4 x 9.37 x 1.0 in.)
<b>Housing</b>	Plastic housing material: ABS + polycarbonate Protection: IP20 (IEC60529)
<b>Mounting (Height x Width)</b>	Mount to the outside of the enclosure 70.5 x 216.5 mm (2.78 x 8.525 in.)
<b>Compliance</b>  	<b>United States:</b> UL Listed, File E107041, CCN PAZX, UL 916, Energy Management Equipment FCC Compliant to CFR47, Part 15, Subpart B, Class A
	<b>Canada:</b> UL Listed, File E107041, CCN PAZX7, CAN/CSA C22.2 No. 205, Signal Equipment; Industry Canada Compliant, ICES-003
	<b>Europe:</b> CE Mark – Johnson Controls, Inc., declares that the DIS1710 Local Controller Display is in compliance with the essential requirements and other relevant provisions of the EMC Directive 2004/108/EC.
	<b>Australia and New Zealand:</b> C-Tick Mark, Australia/NZ Emissions Compliant
<b>Shipping Weight</b>	0.14 kg (0.3 lb)

The performance specifications are nominal and conform to acceptable industry standards. For application at conditions beyond these specifications, consult the local Johnson Controls office. Johnson Controls, Inc. shall not be liable for damages resulting from misapplication or misuse of its products.

### United States Emissions Compliance:

This equipment has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when this equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his/her own expense.

### Canadian Emissions Compliance:

This Class (A) digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la Classe (A) respecte toutes les exigences du Règlement sur le matériel brouiller du Canada.



### Building Efficiency

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