Code No. LIT-1900446
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# DIS1710 Local Controller Display

## Description

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) and 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.

Refer to the *DIS1710 Local Controller Display Product Bulletin (LIT-12011273)* for important product application information.

## Features

- At-a-Glance System Status — allows you to quickly view the current status of monitored points without logging in.
- Complete Access to Operating Parameters and Setpoints — allows you to conveniently view and change the controller's operating parameters and setpoints.
- Menu-Based Screen Design — provides intuitive user interface through the use of a simple keypad.
- Tactile-Feel Keypad — provides for comfortable and durable keys.
- Backlit Liquid Crystal Display (LCD) — 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.
- Customized User Preferences — allow you to specify parameters such as password timeout and time/date format
- Password Protection (Optional) — secures the Display from unauthorized users
- Easy Panel Installation — installs quickly and simply into the preformed cutout in a panel.
- Compatibility with All NCE and FEC Models without Integral Displays — provides a user interface for controllers that lack an integral display.


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## Applications

The DIS1710 Local Controller Display is designed for use with controllers without integral displays, including some NCE25xx, FEC1610, and FEC2610 models. The display is installed on the front panel of the enclosure that houses the controller. You can commission the controller conveniently from the Field Controller/Sensor Actuator (FC/SA) Bus port on the front of the display without having to open the enclosure.

## 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.

## Selection Chart

| Product Code Number | Description |
|---|---|
| **MS-DIS1710-0**[1] | 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**.

## Accessories

| 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. |

## *DIS1710 Local Controller Display (Continued)*

### Technical Specifications

| DIS1710 Local Controller Display | |
|---|---|
| **Power Requirement** | Dedicated nominal 15 volts 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 |
| **Processor** | Renesas™ H8S-2398 32-bit microprocessor |
| **Memory** | 256 KB Flash Memory<br>8 KB Random Access Memory (RAM) |
| **Operating System** | RTOS-H8S |
| **Network and Serial Interfaces** | Communication to controller over SA Bus |
| **Dimensions (Height x Width x Depth)** | 85.9 x 238 x 25.8 mm (3.4 x 9.37 x 1.0 in.) |
| **Housing** | Plastic housing material: ABS + polycarbonate<br>Protection: IP20 (IEC60529) |
| **Mounting** | Mount to the outside of the enclosure<br>70.5 x 216.5 mm (2.78 x 8.525 in.) |
| **Shipping Weight** | 0.14 kg (0.3 lb) |
| **Compliance** | **United States:** UL Listed, File E107041, CCN PAZX, UL 916, Energy Management Equipment<br>FCC Compliant to CFR47, Part 15, Subpart B, Class A<br>**Canada:** UL Listed, File E107041, CCN PAZX7, CAN/CSA C22.2 No. 205, Signal Equipment<br>Industry Canada Compliant, ICES-003<br>**European Union:** CE Mark, EMC Directive 89/336/EEC, in accordance with EN 61000-6-3 (2001) Generic Emission Standard for Residential and Light Industry and EN 61000-6-2 (2001) Generic Immunity Standard for Heavy Industrial Environment<br>**Australia/New Zealand:** C-Tick Mark, Australia/NZ Emissions Compliant |

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