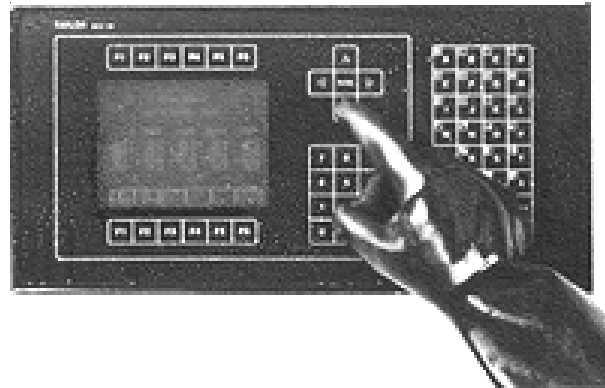


## 2021W Local Control Panel 1718F, 1719F, 1743N LCP Accessories

- Centralized display and operation for MOD 30™, MOD 30ML™ and MODCELL™ Multiloop Instruments
- NEMA 4X industrially hardened design
- Custom graphic and standard faceplate displays
- Function key operations
- Process and diagnostic alarm display and acknowledge
- Password-protected operating displays
- Discrete output for use with annunciator horns
- Data base backup and restore



## 2021W Local Control Panel 1718F, 1719F, 1743N LCP Accessories

## 2021W Local Control Panel

The Local Control Panel (LCP) is an easy-to-use, hardened industrial workstation for centralized display & operation of MOD 30™ instruments, MOD 30ML Multiloop Controllers and MODCELL™ Multiloop Processor which requires no prior programming experience to quickly configure custom control and graphic displays. Standard features include:

- Display - 7 inch (178 mm) diagonal, high-resolution green-on-black screen
- Keyboard - NEMA 4X integral keyboard, impervious to dust, oil, liquid spills, and other harsh treatment. Provides audible feedback, tactile feedback, one-button direct page access keys, soft-function keys, and an intelligent cursor.
- Industrial Design - Fully complies with NEMA 12, 4, and 4X requirements. The CRT and internal electronics meet industry standards for vibration and EMI/RFI noise rejection.

The LCP interfaces with up to 15 MOD30, MOD 30ML or MODCELL controllers via the Instrument Communications Network (ICN), with a maximum distance of 2000 feet (600m). No additional communications hardware or software is required.

Operating displays are created by the user to satisfy specific application requirements. Continuous, sequential, logical and multistate device status information can be combined on any display. Display formats can consist solely of text or be combined with custom graphics. A State Library feature permits the status of state variables (for example, digital inputs, counts, logic outputs, etc.) to be converted to easily identifiable, user-defined labels for display.

Process alarms and diagnostic status for connected controllers are indicated and acknowledged while operating in runtime mode. In addition, Notification/Data Request messages, which are generated by the instruments to prompt and solicit information from the operator, can be configured to appear on the displays as required.

Other operations activities include selection and modification of recipes stored in the instruments, manipulation of outputs and setpoints, and start/stop of motors and discrete devices. During configuration, access to any operating display can be restricted, requiring user-defined passwords to make changes.

Configuration of Local Control Panel displays is done via the membrane keyboard. Using the Visual Application Designer (ViZapp) software, the configured LCP data base can be uploaded for storage on a personal computer, and downloaded to other Local Control Panels with the same or similar configuration. Upload/download activities take place over the ICN.

The back-up Memory Module 1718F provides protection against loss of memory due to main memory failure and provides a convenient method of transferring the data base to other Local Control Panels with the same or similar configuration. One LCP Back-up Memory Module is included with the LCP (2021W). Additional LCP Back-up Memory Modules 1718F can be ordered as required.

**PERFORMANCE SPECIFICATIONS**

**Power**

<b>Input Voltage</b>	24V dc
<b>Consumption</b>	
Without Back-up Memory	34W
With Back-up Memory	42W

**Input Signals (ICN Data)**      -1.5V to +2.0V  
 from baseline  
 of 10V

**Power**

<b>Voltage Range</b>	23V dc to 28V dc
<b>Tolerance to Power Interruption</b>	90 days minimum
<b>Allowable Ripple</b>	600 mV dc

**CRT Resolution (character space available to user)**

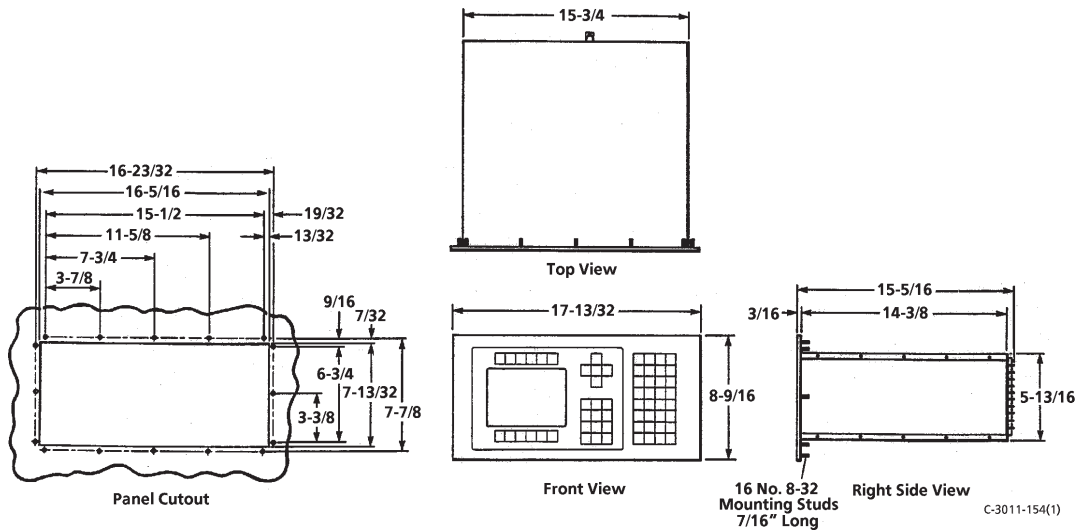
<b>Standard Display</b>	6 x 42
<b>Distant View Display</b>	4 x 10

\* The ambient operating temperature depends on the amount of equipment mounted in each cabinet and the environment in which it is being used.

**Instrument Communications Network**

<b>Media</b>	Twisted pair
<b>Speed</b>	31,250 baud
<b>Distance</b>	2000 ft (600 m) maximum
<b>Cable Capacitance</b>	25 pF per ft 90°F (32°C)

**DIMENSIONS**



**Ordering Information**

The 2021W Local Control Panel includes firmware and backup memory module. Select panel or 19-inch rack mount version. PROMS, backup memory module and rack mounting hardware may be ordered separately for upgrades, spare parts and replacements.

**Local Control Panel - Complete**

Panel Mount Version .....	2021WZ10107A
19-inch Rack Mount Version .....	2021WZ10207A

**Accessories**

Backup Memory Module (included with LCP Complete) .....	1718FZ10000B
Firmware PROMS version 7.0 (included with LCP Complete) .....	1743NZ10007A

**Notes**

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*Application-smart control solutions*

**MicroMod Automation, Inc.**  
75 Town Centre Dr.  
Rochester, NY 14623 USA  
Tel: (585) 321-9200  
Fax: (585) 321-9291  
Email: [sales@micmod.com](mailto:sales@micmod.com)

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