



## MicroView™ A Flexible Interface for MicroLogix™ Controllers

Bulletin 2707

MicroView Operator Interface



The MicroView extends the Bulletin 2707 product line, providing an operator interface to the Allen-Bradley MicroLogix family of processors. Smaller in size than the DTAM Micro, the MicroView is designed for the OEM who wants a low cost, feature packed operator interface for plant floor control and data monitoring.

### Product Features

- ▶ **MicroView** supports RS-232 DF1 (point-to-point) communications with the Allen-Bradley family of MicroLogix controllers.
- ▶ **Compact Size** allows the MicroView to be used where space is limited.
- ▶ **Panel Mount Adapter with Connector** allows the MicroView to be easily removed for programming or replacement. All wiring is to the adapter, simply plug the MicroView into the adapter.
- ▶ **Offline Configuration Software** simplifies the creation of linked screens including data display, data entry and recipe screens. Recipe screens allow an operator to download blocks of data. MicroView programming software is available for the MicroView specifically or as a subset of the DTAM family programming software.
- ▶ **Point-Access/Display Feature** allows operators to monitor or modify data files in MicroLogix controllers, independently of programmed screens.
- ▶ **Standard File Access Options** for MicroLogix controllers include I/O, status, binary, timer, counter, control and integer files.
- ▶ **Memory Capability** allows storage for up to 50 application screens and configuration data.
- ▶ **2 Function Keys** provide operators a quick and convenient way to automatically trigger screen displays and control screen navigation. Additionally, the function keys can be used to set or clear data table bits.

## MicroView Product Descriptions

| Description  | Catalog Number            |
|--|---------------------------|
| MicroView Operator Interface, Hand-Held  | 2707-MVH232               |
| MicroView Operator Interface, Panel Mount  | 2707-MVP232               |
| Panel Mount Adapter  | 2707-MVMNT                |
| Offline Programming Software (DTAM Plus, DTAM Micro, and MicroView)  | 2707-NP                   |
| Offline Programming Software (MicroView Only)  | 2707-NP2                  |
| RS-232 Upload/Download Cable – Connects MicroView to RS-232 Port of a Personal Computer  | 2707-NC8                  |
| RS-232 Cable – connects MicroView to RS-232 Port of a MicroLogix controller.<br>Cable, 6.5 feet (2 meter)<br>Cable, 49.2 feet (15 meters)  | 1761-CBL-HM02<br>2707-NC9 |
| 120V AC Adapter – Provides DC output for application upload/download. A power supply is not required for standard operation <sup>①</sup> . | 2707-PS120                |
| 220V AC Adapter – Provides DC output for application upload/download. A power supply is not required for standard operation <sup>①</sup> . | 2707-PS220                |

<sup>①</sup> MicroLogix controller provides 24VDC to the MicroView (through the communication cable) during normal runtime operation.

## MicroView Specifications

### Display

|                       |   |
|-----------------------|---|
| Type:                 | LCD (Liquid Crystal Display) with yellow/green LED Backlighting |
| Column and Character: | 2 lines x 16 characters   |
| Character Size:       | 0.22 x 0.12 inch (5.56 x 2.96 mm)                               |
| Character Format:     | 5 x 7 dot matrix  |
| Contrast:             | Fixed   |
| Display Viewing Area: | 0.58 x 2.35 inch (15 mm x 60 mm)                                |
| Viewing Angle:        | Horizontal $\pm 30^\circ$ , Vertical $-20^\circ$ to $+30^\circ$ |

### Keypad

|                   |   |
|-------------------|---|
| Type:             | Tactile embossed, domed keys, sealed membrane |
| Operation Force:  | 16 oz (453 grams)                             |
| Operational Life: | 1 million operations                          |

### Electrical

|                      |                                    |
|----------------------|------------------------------------|
| Communications Port: | RS-232 Port                        |
| Input Voltage Range: | 24V DC See Note <sup>①</sup> above |
| Input Current:       | 82mA maximum                       |

### Mechanical

|           |                     |
|-----------|---------------------|
| MicroView |                     |
| Height :  | 5.1 inch (129.5 mm) |
| Width:    | 3.55 inch (90.2 mm) |
| Depth:    | 1.0 inch (25.4 mm)  |

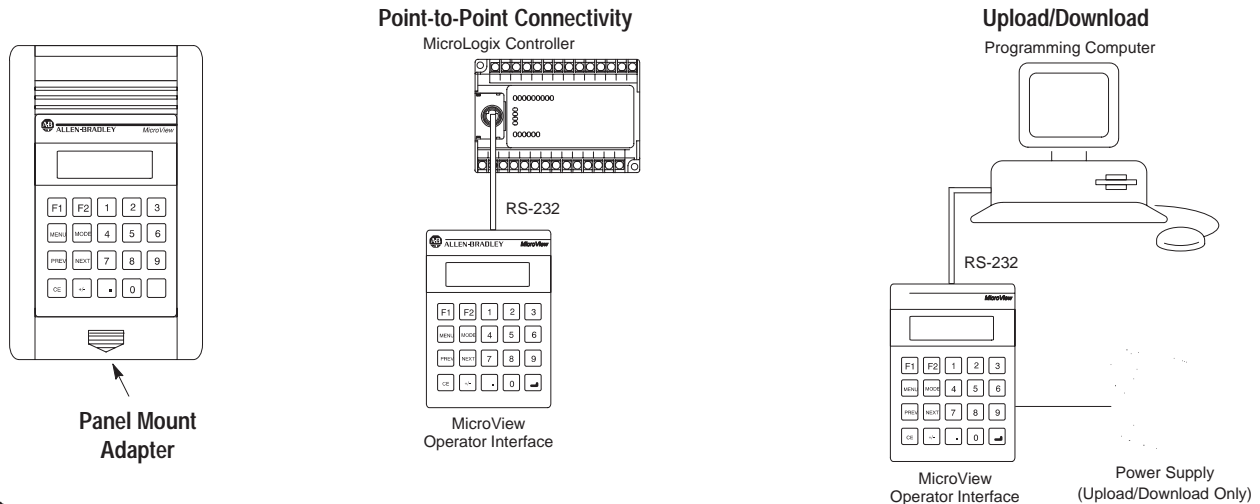
### Panel Mount Adapter

|         |                      |
|---------|----------------------|
| Height: | 6.10 inch (154.9 mm) |
| Width:  | 4.70 inch (119.4 mm) |
| Depth:  | 1.50 inch (38.1 mm)  |

### Environmental

|                        |   |
|------------------------|---|
| Operating Temperature: | 0 to 45° C (32 to 113° F)   |
| Storage Temperature:   | -20 to 70° C (-4 to 158° F)   |
| Relative Humidity:     | 5 to 95%, noncondensing   |
| Shock:                 | 30G operating   |
| Vibration:             | 50G non-operating   |
| Certifications:        | FCC Part 15, Class A<br>UL Class I, Division 2 Hazardous Location, Groups A,B,C,D |

## MicroView Connections



 **Rockwell Automation**  
**Allen-Bradley**