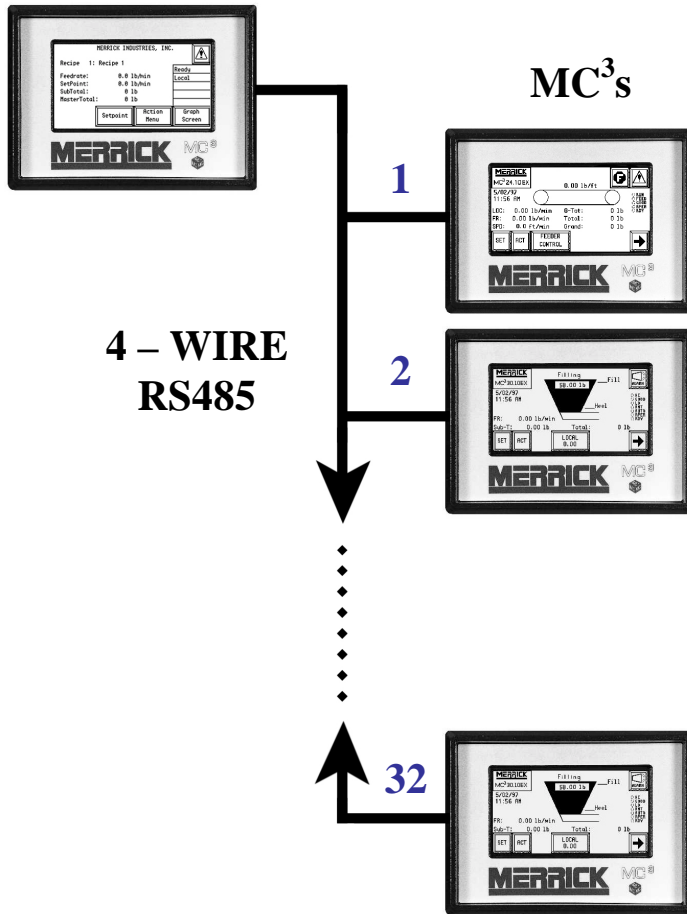


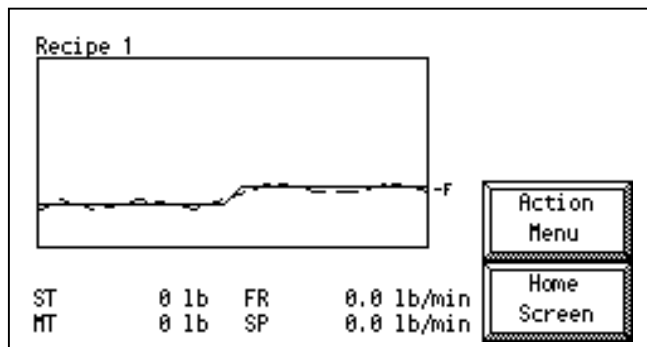
MC³ MasterSet Application

The MC³ MasterSet Controller is designed to perform as a central user interface station and provide supervisory control of up to 32 individual feeders. Recipe management as well as master setpoint control is also maintained.

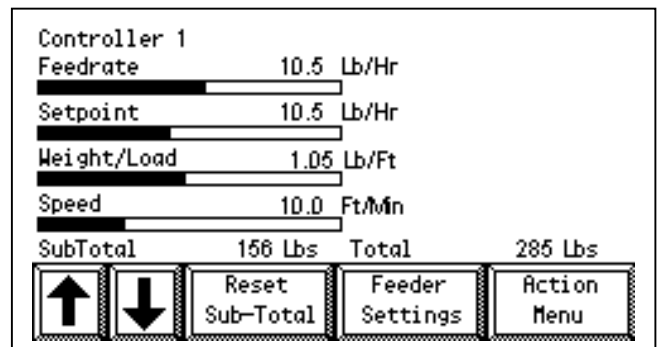
MasterSet



- ✓ Supports a Maximum of **32** Ingredients
- ✓ Stores up to **100** Recipes
- ✓ Supports Weigh Belt and Loss-in-Weight Feeders
- ✓ Modbus RTU Communication Protocol via 4-Wire RS485
- ✓ Graphical Touch Screen Interface
- ✓ Same Hardware Platform as the standard MC³
- ✓ Supports the *MasterSet Recipe Configuration Software (MaRCS)*



System Trend Display



Feeder Information Display

SOFTWARE**System Information**

Main Screens:

- Main System Overview
- System Set-Point
- Action, Setup and Diagnostics
- Individual Feeder Screens
- Recipe Management Screens

Status Indicators include:

- Digital and Analog Outputs
- Warning and Fault Alarms
- Graphical System State
- Trend Graph

System Set-Point Methods:

- Internal
- Remote and Remote Ratio Analog
- Serial Communications

Feeder Information

Feeder Screen:

- Feeder Labels
- Feeder Status
- Communication Settings
- Process Information
- Sub-Total and Total

Recipe Information

Recipe Screen:

- Current Recipe Data
- Recipe Status
- Recipe Labels
- Blend Settings
- Recipe Sub-Total and Total

Logical Inputs and Outputs

Commonly used Inputs Include:

- Run Permission
- Reset Warnings/Faults
- Print
- Total Enabled
- Lock Setpoint Method
- System Start
- System Stop

Commonly used Outputs Include:

- Warning/Fault
- System Ready
- High Feedrate
- Low Feedrate
- Good Feedrate
- High System Deviation
- Low System Deviation
- In Control
- Communication Lost

HARDWARE**External Communication Interfaces**

- Merrick Serial Communications Protocol
- Modbus ASCII, Modbus*+, Modbus RTU
- DeviceNET*, ControlNET*
- DF1, Data Highway*+
- EtherNET/IP*, Modbus TCP*

Physical Inputs and Outputs

(Standard)/(Maximum):

- Seven (7)/(32) Digital Outputs
- Four (4)/(16) Digital Inputs
- Two (2)/(4) Analog Outputs
- One (1)/(2) Analog Input
- DC Pulse Output for Totalizer
- AC Pulse Output for Totalizer

*requires external interface