

Model F10 and F30 Add-On Expansion Slave Modules

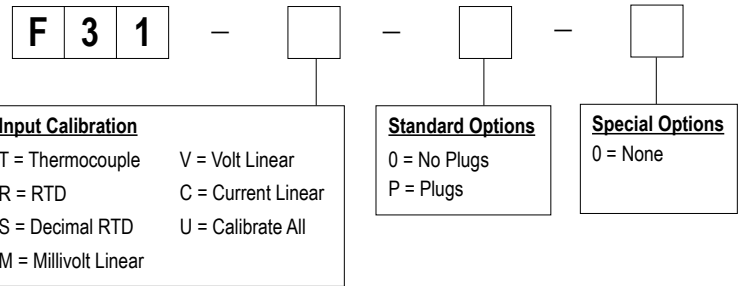
- ▲ Connected intelligent modules that communicate directly with master control
- ▲ Must be used with F10 or F30 Foundation Series Master Control
- ▲ Maximum four expansion modules can be used in any combination
- ▲ DIN rail mounted enclosures
- ▲ Powered through expansion port
- ▲ Agency Approvals: cETLus, CE and FCC, CE Class A EMI compliance



Product Description Ordering Information

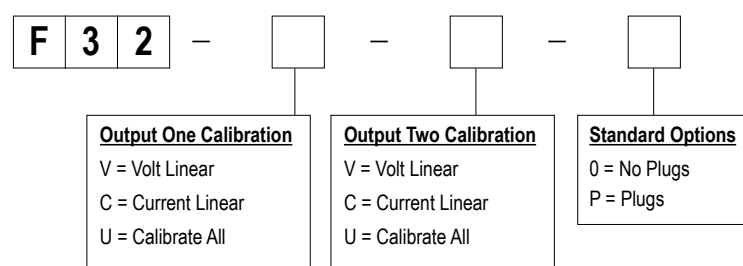
F31 Analog Input Expansion Module

The Athena F31 is an Analog Input Add-On Expansion Module that can expand the F10 and F30 control modules' capabilities. The module accepts three additional analog inputs and two digital inputs that can be used as inputs to control loops or any non-control loop such as remote monitoring. The module is self-powered through the controller expansion bus. The module accepts RTD (2 or 3 wire), Thermocouples and Linear Inputs.



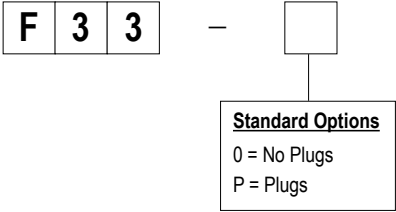
F32 Analog Output Expansion Module

The Athena F32 is an analog Output Add-On Expansion Module that can expand the F10 and F30 control modules' capabilities. The module provides two isolated 16-bit DAC-controlled analog outputs. The modules are available with either current (0-20mA) or voltage (0-10Vdc) outputs. The module is self-powered through the controller expansion bus. The outputs are isolated 0-20mA 4-20mA, 0-10Vdc, 2-10Vdc.



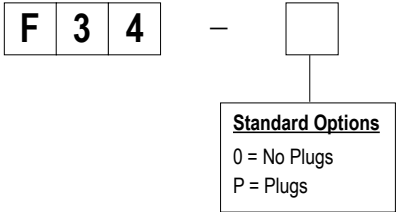
F33 Digital Input Expansion Module

The Athena F33 is an Digital Input Add-On Expansion Module that can expand the F10 and F30 control modules' capabilities. The module has eight digital inputs that can be used for various control functions that can be integrated with the control process. The module is self-powered through the controller expansion bus.



F34 LED Display Driver Expansion Module

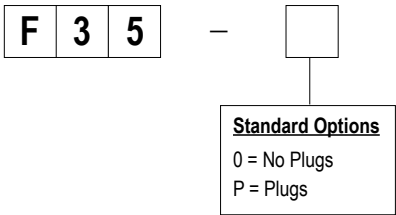
The Athena F34 is a display driver module that can drive ten eight-segment LED digits and ten digital switches. The module can be used with any of the standard LED display boards that Athena has designed as well as custom displays requested by the customer. The module is self-powered through the controller expansion bus.



The module also contains four digital inputs that can be used as inputs to control loop or any non-control loop such as remote monitoring.

F35 Digital Output Expansion Module

The Athena F35 is a digital 24Vdc output that contains six independent outputs that can be used for heat, cool or alarm outputs. The module also has two digital inputs that can be configured for floating dry contact, isolated open collector and isolated 5Vdc inputs. The module requires an external 24Vdc power supply.



Note: A maximum of four expansion modules can be added to an F10 or F30 control module.



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