

- ▶ **Preprogrammed Solutions**
- ▶ **Programmable Settings**
- ▶ **Field Configurable**
- ▶ **LED Trip Indicators**
- ▶ **EZ Ladder® LITE Software Included**
- ▶ **10 - 32 VDC Operating Voltage Standard**

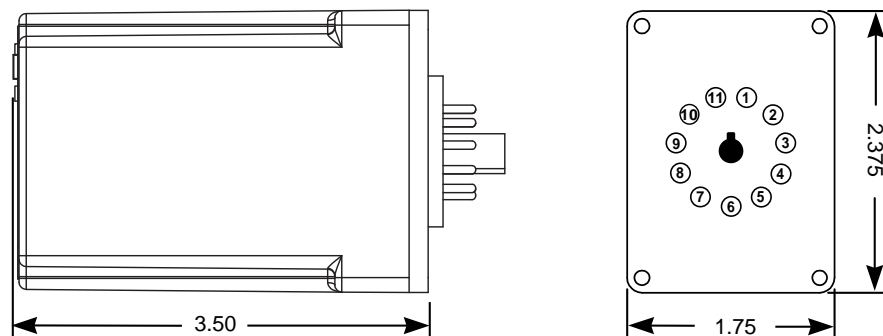


The Divelbiss APPMOD series of controllers are preprogrammed solutions for common monitoring and control issues. The basic modules are based on standard PLC technology so they provide the advantage of PLC functionality in addition to preprogramming. Each module has the capability of being applied "as is", or modified by the designer utilizing the Divelbiss EZ Ladder® programming software (included on CD) to provide an application specific solution.

The Divelbiss Application Modules are intended to provide "out of the box" solutions for short run or prototype control problems. Since each unit is in fact a preprogrammed PLC, production quantity cost efficiencies are easily achieved by purchasing the equivalent PLC without the program preloaded.

Dimensions

SI-APPMOD Package





APPLICATION MODULES

Preprogrammed Solutions Utilizing PLC on a Chip® Technology

Tachometers

SI-APPMOD-Tachometer	The module reads the open collector input from a Hall Effect or other sensor into a high-speed counter. Typically, the input is sensing the speed of a 60 tooth gear. Speed is shown on a 4-digit numeric display. Four programmable setpoints trigger outputs when they are reached or exceeded.
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Counting

SI-APPMOD-Multicount	The module has three outputs with programmable setpoints triggered by a single input. Each of the outputs has an input which allows them to be reset manually. Setpoint range is 1 through 9,999. The setpoints are programmed by means of a simple menu.
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Time Metering

SI-APPMOD-HourMeter	The Hour Meter module consists of two independent clock based totalizers which provide outputs when the setpoints are reached. Maximum time displayed is 9,999 hours - at which point the display "rolls over" to zero and an LED indicator light begins flashing to alert the user that time displayed has wrapped around.
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Load Alternating

SI-APPMOD-2PumpAlternate	The 2PumpAlternate Module automatically alternates between two pumps when a "High Level" input is received. The module provides inputs for Low Level, High Level, and Overflow as well as outputs for both pumps. Additionally, two alarms are available. One if both pumps exceed a time preset and a second for Overflow.
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SI-APPMOD-3PumpAlternate	The 3PumpAlternate Module automatically alternates three pumps when a "High Level" input is received. The module provides inputs for Low Level, High Level, and Overflow as well as outputs for the pumps. Additionally, two alarms are available. One if all three pumps have exceeded a time preset and a second for Overflow.
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Timing

SI-APPMOD-Times4	The Times4 module provides four independent timing channels. Each of the four channels is configurable for ON or OFF delay timing with a range setting of 0.1 to 300 seconds. Timer selection and setpoint programming is accomplished by means of a simple menu system.
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Analog Ranging

SI-APPMOD-Deadband	The Deadband Module accepts a 0-10 VDC input. The input signal is compared to a setpoint programmed with a potentiometer plus or minus a tolerance established by a second potentiometer. The programmable tolerance can be within a range of 0-5% of the setpoint. Three outputs indicate above, within, or below the deadband.
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SI-APPMOD-RangeCompare	The RangeCompare Module accepts a 0-10 VDC input which is compared to a pair of potentiometer settings. Those settings establish the acceptable range for the input signal. The Module provides three digital outputs - In Range, Above Range, and Below Range.
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