

New Products

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Newly Released MicroSmart AC Input Module & 24V DC All-In-One CPUs

IDEC Corporation is excited to announce two new additions to the MicroSmart PLC family, an AC input expansion module and 24V DC All-In-One CPUs.

The AC input expansion module provides an easy solution for any system that requires direct 120V AC inputs. Up to eight 120V AC inputs can be connected per module, and it features removable screw terminal blocks, UL/c-UL listing, and the CE mark. By using this new expansion module, machine builders can eliminate the need for an additional power supply, saving both money and wiring time since the PLC inputs can be connected directly to an AC power source.

The AC input module was developed based on requests and feedback from customers. By introducing the AC input module to the MicroSmart PLC family, we believe that this will provide you with a great opportunity to revisit previous business or deals that were lost due to the lack of the AC inputs. It can

be used by elevator manufacturers and retrofits of old machines. The AC input module will also help IDEC to successfully compete against other major PLC manufacturers. In terms of functionality and pricing, this new module is better than our competitors. Please see comparison chart on the reverse for more details.

We anticipate that with the addition of this new module we will see a 5% growth in overall PLC sales and growth in the MicroSmart family sales of 20%.

In addition, 24V DC power All-In-One CPUs are now available for the MicroSmart PLCs. This new CPU is ideal for self-contained power supply systems, vehicles and marine vessels, since it can be connected directly to a DC power source. As a result, it is capable of controlling systems powered from solar or wind power. This will now allow you to compete in niche areas where you weren't able to in the past.

con't on back

MicroSmart AC Module Standard Features

- *Approved for Class1-Div. 2 hazardous locations*
- *8-point 100 - 120V AC inputs*
- *Can be connected to both Slim & All-In-One MicroSmart CPU units*
- *Removable screw terminals*
- *Part number & list price on reverse*

MicroSmart 24V DC All-In-One CPU Standard Features

- *Approved for Class1-Div. 2 hazardous locations*
- *10, 16 or 24 I/Os with sink/source DC input and relay output*
- *24 I/O CPU expandable up to 88 I/Os*
- *Standard RS232 optional plug-in RS485/RS232 port*
- *Data link to other MicroSmart PLCs, PCs or HG series O/Is*
- *Compact size*
- *Part numbers & list prices on reverse*

con't from front

Models are available with 10, 16 or 24 I/O with sink/source DC inputs and relay outputs. The 24 I/O All-In-One CPU is expandable up to 88 I/O. There are four types of expansion modules available: AC or DC input modules, output modules with relay or transistor sink/source outputs, combination input/output modules, and analog modules, including one that can accept type J, K, T thermocouple (or RTD) inputs. All CPUs come with a standard RS232 port and are approved for use in Class1-Div 2 hazardous locations. Optional memory cartridges, real-time clocks and calendar cartridges are available.

The MicroSmart family also includes "slim" type CPU units, available with 20 or 40 I/O points and varying types of output. The slim CPUs accept the same expansion I/O modules and optional accessories as the 24 I/O All-In-One CPUs. Each CPU is equipped with four high-speed counters, an RS-232C port, an analog potentiometer plus several other standard features. The Slim types also include a built-in analog input. All this in an extremely compact housing, only 90mm in height and 70mm in depth.

These two new MicroSmart additions give you the ability to provide your customers with more complete application solutions and will give you additional sales opportunities.

MicroSmart PLCs are programmable with WindLDR, IDEC's intuitive ladder logic software. The current WindLDR version 4.5 has improved features such as a split ladder window for easy navigation, improved tag name editor and rung comment search.

For more information on the MicroSmart family of PLCs or to download a demo of WindLDR, visit us at www.idec.com!



Part Numbers & List Prices

MicroSmart AC Input Module	
FC4A-N08A11	\$110.00
MicroSmart 24V DC All-In-One CPU	
FC4A-C10R2C	\$190.00
FC4A-C16R2C	\$265.00
FC4A-C24R2C	\$375.00

AC Input Module Competitors

	IEC MicroSmart	Automation Direct DL205	AB Micrologix 1200	Siemens S7-200	Mitsubishi-FX2N
Part Number	FC4A-N08A11	D2-08NA-1	1762-IA8	6ES72211EF220XA0	FX0N-8EX-UA1/UL
AC Input Points	8-point	8-point	8-point	8-point	8-point
Class 1, Div 2 Hazardous Locations	YES	NO	YES	NO	NO
List Price	\$110	\$65	\$135	\$130	\$120

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