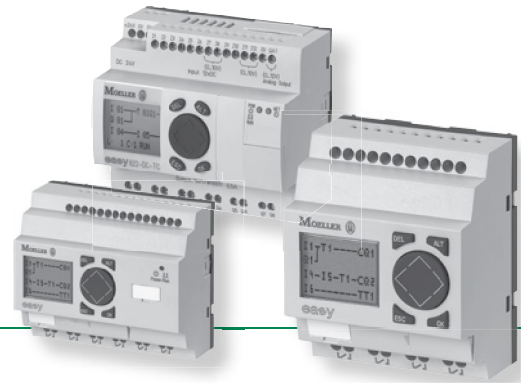


# SENSORS INCORPORATED

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## EASY programmable relays

compact, powerful control



A single easyRelay unit has the ability to replace many standard electromechanical parts, including timers, relays and counters. Reducing the number of parts used in applications shrink costs for installation, maintenance and repair, and also minimize troubleshooting time. EasyRelays function similarly to a programmable logic controller (PLC). They accept input signals, process information with program logic, and control your application with output signals. Programmable relays represent your first easy step into the world of automation, without the typically expensive price tag.

Current PLC users may also be surprised that a much lower cost device can perform the same functions needed for their application.

### Industrial reliability

EasyRelays are more stable and reliable than traditional electromechanical parts that can wear and eventually fail over time. Programs are stored in non-volatile memory, so even with a loss of power, easyRelays are ready to resume function immediately when power is restored.

### Scale to fit

As the most comprehensive range of programmable relay processing power on the market, easyRelays offer multiple product series with varying capabilities. This allows you to pay only for the amount of processing power you need, but provides scalability when your applications grow.

Easy500 series has 12 I/O points, built-in operating hours counter function, OPC support, and available analog inputs and transistor outputs. This series is optimized for basic control operations such as time-based alternation, maintenance indication and counting functions, to name a few.

Easy700 series can handle everything the easy500 does, but with more I/Os. The 700 series is also expandable to 40 I/O points, making this series appropriate for lighting or heating control, among others.

Easy800 series expands on the functions of the easy700. The easy800 has a greater math capability, double the program memory capacity and has built-in networking ability. These features are ideal for high-speed counters, value scaling and proportional-integral-derivative (PID) functions. The built-in easyNET network allows up to eight easy800 devices to work together, producing a total of over 300 I/O points. The functionality in the 800 series allows an almost limitless amount of application uses.

- > PLC comparable programming power and functionality without a PLC price tag
- > Easy-to-use interface allows anyone familiar with circuit diagrams to program
- > Network-enabled models can control up to 300 I/O points
- > The first step in industrial automation
- > Models without display or keypad are available for even greater cost savings





### Easy to use

Programming an easyRelay is simple and straightforward. The graphical display mimics an actual circuit diagram, and programming is a matter of “drawing” circuits with the cursor. Anyone who can read circuit diagrams can immediately understand the stored program. Programming can be accomplished with a PC running easySoft software and transferred to the device via serial cables or remotely with an Ethernet gateway. Select models with a built-in display and keypad may be programmed with a PC or on the device itself.



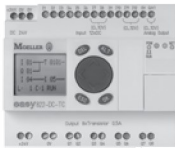
once, and easily transferred to all other devices requiring the same program. EasySoft software allows programs to be written on a PC, and then copied to devices via serial cables or remotely with an Ethernet gateway.

EasyRelays also accept memory modules for back-up program storage and transfer to additional devices without the need for cables. As an added benefit to OEMs who implement easyRelays in their products, program upgrades or changes can be loaded into a memory module and shipped to end users, reducing on-site service calls.

### Easy transfer

If programming an easyRelay wasn’t simple enough, multiple methods of program duplication are available. For applications with multiple production lines or redundant stations, this feature allows a program to be written

### Feature Comparison

easy Programmable Relay Series	Operating Voltages	Features										
		Total Inputs	Analog Inputs	Total Outputs	Relay Outputs	Transistor Outputs	Analog Outputs	Real-time Clock	Expandable with remote I/O	Networkable (easyNet)	Rungs (program lines)	Memory Module
<b>easy500</b> 	12 V DC	8	✓	4	✓			✓			128	32K
	24 V DC	8	✓	4	✓	✓		✓			128	32K
	24 V AC	8	✓	4	✓			✓			128	32K
	100 / 240 V AC	8		4	✓			✓			128	32K
<b>easy700</b> 	12 V DC	12	✓	6	✓			✓	✓		128	32K
	24 V DC	12	✓	8	✓	✓		✓	✓		128	32K
	24 V AC	12	✓	6	✓			✓	✓		128	32K
	100 / 240 V AC	12		6	✓			✓	✓		128	32K
<b>easy800</b> 	24 V DC	12	✓	8	✓	✓	✓	✓	✓	✓	256	256K
	100 / 240 V AC	12		6	✓			✓	✓	✓	256	256K