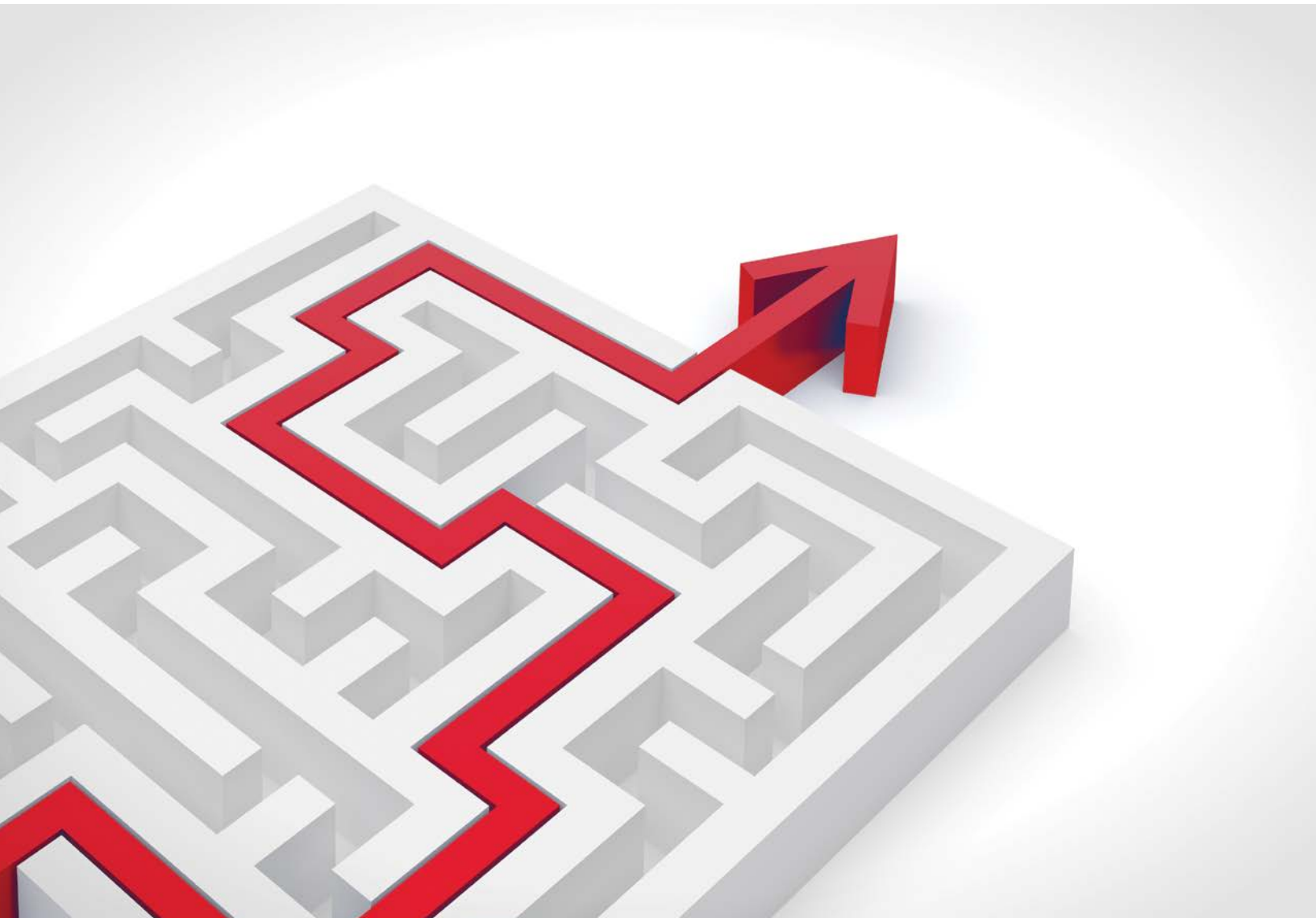




Think Automation and beyond...

Complete Control Solutions

Starter Kits






IDEC CORPORATION

















Complete Control Packages

Combined HMI and PLC Starter Kits

Want to test new ideas and build machines using the most up-to-date automation and control products on the market? Ready to upgrade your current system? Each Starter Kits includes an HMI with your choice of 4.6" to 12.1" LCD screen. Also included is a MicroSmart FC6A PLC, a PS5R-V power supply, programming cables and the Automation Organizer software suite. All the tools you need at a very special price. As a bonus, not only do you get the hardware and software, but you also get total access to free technical support and free software upgrades. Just buy a package and you're ready to go!



Programmable Touchscreen Type	PLC Type	Power Supply	Part Number	Reg. Price	Package Price
 HG1G-4VT22TF-B 4.3" 65K color TFT	 FC6A-C16R1AE 16 I/O CPU 100-240VAC Relay	PS5R-VD24 60W 2.5A	KIT-FC6A-16-RA-HG1G	\$989	\$599
	 FC6A-C16R1CE 16 I/O CPU 24VDC Relay		KIT-FC6A-16-RC-HG1G	\$989	\$599
	 FC6A-C24R1AE 24 I/O CPU 100-240VAC Relay		KIT-FC6A-24-RA-HG1G	\$1,089	\$679
	 FC6A-C24R1CE 24 I/O CPU 24VDC Relay		KIT-FC6A-24-RC-HG1G	\$1,089	\$679
	 FC6A-D16R1CEE 16 I/O CPU 24VDC Plus Type		KIT-FC6A-D16R-HG1G	\$1,178	\$739
 FC6A-D32P3CEE 32 I/O CPU 24VDC Plus Type	KIT-FC6A-D32P-HG1G		\$1,278	\$789	
 HG2G-5TN22TF-B 5.7" Monochrome Enhanced series	 FC6A-C16R1AE 16 I/O CPU 100-240VAC Relay		KIT-FC6A-16-RA-HG2G-5TN	\$1,650	\$825
	 FC6A-C16R1CE 16 I/O CPU 24VDC Relay		KIT-FC6A-16-RC-HG2G-5TN	\$1,650	\$825
	 FC6A-C24R1AE 24 I/O CPU 100-240VAC Relay		KIT-FC6A-24-RA-HG2G-5TN	\$1,750	\$925
	 FC6A-C24R1CE 24 I/O CPU 24VDC Relay		KIT-FC6A-24-RC-HG2G-5TN	\$1,750	\$925
	 FC6A-D16R1CEE 16 I/O CPU 24VDC Plus Type	KIT-FC6A-D16R-HG2G-5TN	\$1,539	\$929	
 FC6A-D32P3CEE 32 I/O CPU 24VDC Plus Type	KIT-FC6A-D32P-HG2G-5TN	\$1,639	\$999		
 HG2G-5TT22TF-B 5.7" 65K TFT Enhanced Series	 FC6A-C16R1AE 16 I/O CPU 100-240VAC Relay	KIT-FC6A-16-RA-HG2G-5TT	\$1,450	\$899	
	 FC6A-C16R1CE 16 I/O CPU 24VDC Relay	KIT-FC6A-16-RC-HG2G-5TT	\$1,450	\$899	
	 FC6A-C24R1AE 24 I/O CPU 100-240VAC Relay	KIT-FC6A-24-RA-HG2G-5TT	\$1,550	\$999	
	 FC6A-C24R1CE 24 I/O CPU 24VDC Relay	KIT-FC6A-24-RC-HG2G-5TT	\$1,550	\$999	
	 FC6A-D16R1CEE 16 I/O CPU 24VDC Plus Type	KIT-FC6A-D16R-HG2G-5TT	\$1,539	\$999	
 FC6A-D32P3CEE 32 I/O CPU 24VDC Plus Type	KIT-FC6A-D32P-HG2G-5TT	\$1,639	\$1,059		

Programmable Touchscreen Type	PLC Type	Power Supply	Part Number	Reg. Price	Package Price
 HG2G-5FT22TF-B 5.7" 65K TFT High-Performance Series	 FC6A-C16R1AE 16 I/O CPU 100-240VAC Relay	PS5R-VD24 60W 2.5A	KIT-FC6A-16-RA-HG2G-HP	\$1,639	\$1,199
	 FC6A-C16R1CE 16 I/O CPU 24VDC Relay		KIT-FC6A-16-RC-HG2G-HP	\$1,639	\$1,199
	 FC6A-C24R1AE 24 I/O CPU 100-240VAC Relay		KIT-FC6A-24-RA-HG2G-HP	\$1,739	\$1,299
	 FC6A-C24R1CE 24 I/O CPU 24VDC Relay		KIT-FC6A-24-RC-HG2G-HP	\$1,739	\$1,299
	 FC6A-D16R1CEE 16 I/O CPU 24VDC Plus Type		KIT-FC6A-D16R-HG2G-HP	\$1,829	\$1,299
 FC6A-D32P3CEE 32 I/O CPU 24VDC Plus Type	KIT-FC6A-D32P-HG2G-HP		\$1,929	\$1,359	
 HG3G-8JT22MF-B 8.4" 65K TFT	 FC6A-C16R1AE 16 I/O CPU 100-240VAC Relay		KIT-FC6A-16-RA-HG3G-8HP	\$1,954	\$1,399
	 FC6A-C16R1CE 16 I/O CPU 24VDC Relay		KIT-FC6A-16-RC-HG3G-8HP	\$1,954	\$1,399
	 FC6A-C24R1AE 24 I/O CPU 100-240VAC Relay		KIT-FC6A-24-RA-HG3G-8HP	\$2,054	\$1,499
	 FC6A-C24R1CE 24 I/O CPU 24VDC Relay		KIT-FC6A-24-RC-HG3G-8HP	\$2,054	\$1,499
	 FC6A-D16R1CEE 16 I/O CPU 24VDC Plus Type	KIT-FC6A-D16R-HG3G-8HP	\$2,144	\$1,599	
 FC6A-D32P3CEE 32 I/O CPU 24VDC Plus Type	KIT-FC6A-D32P-HG3G-8HP	\$2,244	\$1,599		
 HG3G-AJT22MF-B 10.4" 65K TFT	 FC6A-C16R1AE 16 I/O CPU 100-240VAC Relay	KIT-FC6A-16-RA-HG3G-AHP	\$2,374	\$1,699	
	 FC6A-C16R1CE 16 I/O CPU 24VDC Relay	KIT-FC6A-16-RC-HG3G-AHP	\$2,374	\$1,699	
	 FC6A-C24R1AE 24 I/O CPU 100-240VAC Relay	KIT-FC6A-24-RA-HG3G-AHP	\$2,474	\$1,799	
	 FC6A-C24R1CE 24 I/O CPU 24VDC Relay	KIT-FC6A-24-RC-HG3G-AHP	\$2,474	\$1,799	
	 FC6A-D16R1CEE 16 I/O CPU 24VDC Plus Type	KIT-FC6A-D16R-HG3G-AHP	\$2,564	\$1,899	
 FC6A-D32P3CEE 32 I/O CPU 24VDC Plus Type	KIT-FC6A-D32P-HG3G-AHP	\$2,664	\$1,959		
 HG4G-CJT22MF-B 12.1" 65K TFT	 FC6A-C16R1AE 16 I/O CPU 100-240VAC Relay	KIT-FC6A-16-RA-HG4G-HP	\$2,689	\$1,899	
	 FC6A-C16R1CE 16 I/O CPU 24VDC Relay	KIT-FC6A-16-RC-HG4G-HP	\$2,689	\$1,899	
	 FC6A-C24R1AE 24 I/O CPU 100-240VAC Relay	KIT-FC6A-24-RA-HG4G-HP	\$2,789	\$1,999	
	 FC6A-C24R1CE 24 I/O CPU 24VDC Relay	KIT-FC6A-24-RC-HG4G-HP	\$2,789	\$1,999	
	 FC6A-D16R1CEE 16 I/O CPU 24VDC Plus Type	KIT-FC6A-D16R-HG4G-HP	\$2,879	\$1,999	
 FC6A-D32P3CEE 32 I/O CPU 24VDC Plus Type	KIT-FC6A-D32P-HG4G-HP	\$2,979	\$2,059		

HMI Starter Kits

HMIs

- 4.3", 5.7", 8.4", 10.4" and 12.1" touchscreens
- 65,536 color TFT LCD
- Video and audio interface (8.4" to 12.1" models only)
- Remote access, monitor and control
- FTP client/server and email functions

IDEC HMIs bring performance to a whole new level with advanced features and capabilities. These programmable touchscreens can be used to remotely access, monitor and control from anywhere using your PC, tablet or Smart Phone. In addition, the 8.4" to 12.1" models come with built-in video input and audio in/out. This can be used for video monitoring or recording machine conditions on the plant floor, playing movie files to give detailed instructions and tutorials, or to show an operation manual.



Programmable Touchscreen	Size	Type	Power Supply	Software and Cable	Part Number	Reg. Price	Package Price
	4.3"	HG1G-4VT22TF-B 4.3" 65K color TFT	PS5R-VC24 30W 1.25A	✓	SMARTTOUCH-1G-B	\$699	\$329
	5.7"	HG2G-5TN22TF-B 5.7" Monochrome Enhanced series	PS5R-VC24 30W 1.25A	✓	SMARTTOUCH-2G-5TN	\$1,060	\$650
		HG2G-5TT22TF-B 5.7" 65K TFT Enhanced Series		✓	SMARTTOUCH-2G-5TT	\$1,160	\$750
		HG2G-5FT22TF-B 5.7" 65K TFT High-Performance Series		✓	SMARTTOUCH-2GHP	\$1,394	\$849
	8.4"	HG3G-8JT22MF-B 8.4" 65K TFT	PS5R-VD24 60W 2.5A	✓	SMARTTOUCH-3G8HP	\$1,594	\$1,099
	10.4"	HG3G-AJT22MF-B 10.4" 65K TFT		✓	SMARTTOUCH-3GAHP	\$1,994	\$1,499
	12.1"	HG4G-CJT22MF-B 12.1" 65K TFT		✓	SMARTTOUCH-4GHP	\$2,394	\$1,699

HMI+PLC and SmartRelay Starter Kits

HMI+PLC

The perfect combination of PLC processing and HMI monitoring and control, the compact 3.8-inch SmartAXIS Touch is an all-in-one touchscreen interface and logic controller. Perfect for small systems that require a graphical user interface along with versatile I/O controls, this HMI+PLC unit optimizes efficiency and productivity by providing the same functionality as a separate PLC and HMI system, at an affordable price.

- 3.8" HMI+PLC
- 12 or 14 I/O models
- Embedded RJ45 Ethernet port
- Modbus TCP or RTU
- Two built-in analog inputs
- Two built-in analog outputs (14 I/O)
- PID Controls (14 I/O)
- USB Maintenance Port
- -20 to 55 degree C operating temperatures
- IP66f, NEMA 4X (indoor) & 13



FT1A



	Type	Power Supply	Software and Cable	Part Number	Reg. Price	Package Price
	FT1A-C12RA-* 12 I/O Type Relay Output	PS5R-VC24 30W 1.25A		KIT-TOUCH-C*	\$850	\$415
	FT1A-C14SA-* 14 I/O Type Transistor Source Output			KIT-TOUCH-CS*	\$1050	\$625
	FT1A-C14KA-* 14 I/O Type Transistor Sink Output			KIT-TOUCH-CK*	\$1050	\$625

*Insert B=black bezel, S=silver bezel, W=white bezel

SmartRelay

- Liquid Level Controls
- Valves and Pumps Control
- Solar Traffic Lights
- Relay/Timer replacements

Proving reliable time after time, these intelligent logic modules are the ideal controller for simple automation tasks. A sixth-generation of SmartRelays offer functions to give you even more flexibility and convenience. Advances include a maximum of 60 I/O, built-in Ethernet, micro SD interface, extended memory, a brighter display with higher LCD contrast, improved analog and high-speed inputs, an external text display and upgraded programming software.



FL1F



	CPU Type	Power Supply	Software	Part Number	Reg. Price	Package Price
	FL1F-B12RCA 24 VAC/DC Type Without LCD	PS5R-VB24 15W 0.6A	✓	KIT-SMARTRELAY-BAF	\$312	\$179
	FL1F-B12RCC 100-240 VAC/DC Type Without LCD	-	✓	KIT-SMARTRELAY-BCF	\$229	\$179
	FL1F-B12RCE 12-24 VDC Type Without LCD	PS5R-VB24 15W 0.6A	✓	KIT-SMARTRELAY-BEF	\$372	\$179
	FL1F-H12RCA 24 VAC/DC Type With LCD	PS5R-VB24 15W 0.6A	✓	KIT-SMARTRELAY-HAF	\$347	\$199
	FL1F-H12RCC 100-240 VAC/DC Type With LCD	-	✓	KIT-SMARTRELAY-HCF	\$264	\$199
	FL1F-H12RCE 12-24 VDC Type With LCD	PS5R-VB24 15W 0.6A	✓	KIT-SMARTRELAY-HEF	\$402	\$199
	FL1F-H12SCD 24 VDC Type With LCD	PS5R-VB24 15W 0.6A	✓	KIT-SMARTRELAY-HDF	\$327	\$199

MicroSmart FC6A All-in-One





MicroSmart FC6A All-in-One PLC

- Embedded Ethernet port
- Modbus TCP and RTU
- Maximum 520 digital/126 analog I/O
- Data logging
- Large program & data memory
- Embedded SD memory port
- Embedded RS232C/RS485 user selectable
- Web Server functions



The power of a PAC in a micro PLC. With an adaptive design and a multitude of built-in features, new MicroSmart FC6A PLCs offer unmatched performance, quick and easy WindLDR programming, 640KB of program memory and super-fast processing times ideal for demanding control applications.

Unique to this class of PLCs, you can also create custom web pages configured for remote monitoring and control simply by using drag-and-drop functionality. No HTML programming required!

	Type	Power Supply	Software	Part Number	Reg. Price	Package Price
	FC6A-C16R1AE 100-240VAC Relay	-	✓	KIT-FC6A-16-RA	\$644	\$329
	FC4A-C16R1CE 24VDC Relay	PS5R-VC24 30W 1.25A	✓	KIT-FC6A-16-RC	\$699	\$329
	FC6A-C16P1CE 24VDC Trans. Source		✓	KIT-FC6A-16-PC	\$699	\$329
	FC6A-C16K1CE 24VDC Trans. Sink		✓	KIT-FC6A-16-KC	\$699	\$329
	FC6A-C24R1AE 100-240VAC Relay	-	✓	KIT-FC6A-24-RA	\$744	\$429
	FC4A-C24R1CE 24VDC Relay	PS5R-VC24 30W 1.25A	✓	KIT-FC6A-24-RC	\$799	\$429
	FC6A-C24P1CE 24VDC Trans. Source		✓	KIT-FC6A-24-PC	\$799	\$429
	FC6A-C24K1CE 24VDC Trans. Sink		✓	KIT-FC6A-24-KC	\$799	\$429
	FC6A-C40R1AE 100-240VAC Relay	-	✓	KIT-FC6A-40-RA	\$909	\$599
	FC6A-C40R1CE 24VDC Relay	PS5R-VC24 30W 1.25A	✓	KIT-FC6A-40-RC	\$959	\$599
	FC6A-C40P1CE 24VDC Trans. Source		✓	KIT-FC6A-40-PC	\$959	\$599
	FC6A-C40K1CE 24VDC Trans. Sink		✓	KIT-FC6A-40-KC	\$959	\$599
	FC6A-C40R1DE 12VDC Relay	PS5R-VC12 30W 2.5A	✓	KIT-FC6A-40-RD	\$959	\$599
	FC6A-C40P1DE 12VDC Trans. Source		✓	KIT-FC6A-40-PD	\$959	\$599
	FC6A-C40K1DE 12VDC Trans. Sink		✓	KIT-FC6A-40-KD	\$959	\$599
FC6A-C40R1AEJ 100-240VAC Relay	-		✓	KIT-FC6A-40-RAJ	\$1,009	\$699
	FC6A-C40R1CEJ 24VDC Relay	PS5R-VC24 30W 1.25A	✓	KIT-FC6A-40-RCJ	\$1,059	\$699
	FC6A-C40P1CEJ 24VDC Trans. Source		✓	KIT-FC6A-40-PCJ	\$1,059	\$699
	FC6A-C40K1CEJ 24VDC Trans. Sink		✓	KIT-FC6A-40-KCJ	\$1,059	\$699
	FC6A-C40R1DEJ 12VDC Relay	PS5R-VC12 30W 2.5A	✓	KIT-FC6A-40-RDJ	\$1,059	\$699
	FC6A-C40P1DEJ 12VDC Trans. Source		✓	KIT-FC6A-40-PDJ	\$1,059	\$699
	FC6A-C40K1DEJ 12VDC Trans. Sink		✓	KIT-FC6A-40-KDJ	\$1,059	\$699



MicroSmart FC6A Plus PLC and FT1A Controller Starter Kits

MicroSmart FC6A Plus PLC

- Dual Ethernet Ports
- iOS & Android App
- Bluetooth Communication
- Embedded SD memory port
- Modbus TCP and RTU
- Maximum 2,060 digital I/O
- Maximum 511 analog I/O
- Data Logging
- Web Server Functions
- 800KB programming memory







The next generation IDEC MicroSmart FC6A Plus PLC stretches performance beyond micro PLC limits! With its 2,060 I/O capacity, this PLC can control large machines or entire small-scale manufacturing facilities, providing more capabilities for even the most demanding applications.

	I/O	TYPE	Power Supply	Software	Part Number	Reg. Price	Package Price
	16 I/O	FC6A-D16R1CEE 16 I/O 24VDC Relay	PS5R-VD24 60W 2.5A	✓	KIT-FC6A-P16-R	\$889	\$525
		FC6A-D16P1CEE 16 I/O 24VDC Source		✓	KIT-FC6A-P16-S	\$889	\$525
		FC6A-D16K1CEE 16 I/O 24VDC Sink		✓	KIT-FC6A-P16-K	\$889	\$525
	32 I/O	FC6A-D32P3CEE 32 I/O 24VDC Source		✓	KIT-FC6A-P32-S	\$989	\$625
		FC6A-D32K3CEE 32 I/O 24VDC Sink		✓	KIT-FC6A-P32-K	\$989	\$625

FT1A Controllers

A choice of 12, 24, 40 and 48 I/O SmartAXIS controllers provide users with unique features and advanced functions for applications requiring limited I/O.



	CPU Type	Power Supply	Software	Part Number	Reg. Price	Package Price
	FT1A-H12RC 12 I/O 100-240VAC With LCD	-	✓	KIT-SMART-12-HAC	\$533	\$199
	FT1A-H12RA 12 I/O 24VDC With LCD	PS5R-VC24 30W 1.25A	✓	KIT-SMART-12-HDC	\$612	\$219
	FT1A-H24RC 24 I/O 100-240VAC With LCD	-	✓	KIT-SMART-24-HAC	\$723	\$359
	FT1A-H24RA 24 I/O 24VDC With LCD	PS5R-VC24 30W 1.25A	✓	KIT-SMART-24-HDC	\$802	\$359
	FT1A-H40RKA 40 I/O 24VDC With LCD Relay/Sink	PS5R-VC24 30W 1.25A	✓	KIT-SMART-40-HDC-RK	\$846	\$399
	FT1A-H40RSA 24 I/O 24VDC With LCD Relay/Source	PS5R-VC24 30W 1.25A	✓	KIT-SMART-40-HDC-RS	\$846	\$399
	FT1A-H48KC 48 I/O 100-240VAC With LCD Sink	-	✓	KIT-SMART-48-HAC-K	\$828	\$469
	FT1A-H48KA 48 I/O 24VDC With LCD Sink	PS5R-VC24 30W 1.25A	✓	KIT-SMART-48-HDC-K	\$907	\$469

Intensive Hands-on PLC and HMI Training



Looking to improve your knowledge of PLCs and HMIs? IDEC's training course combines hands-on instruction and real-world examples. Topics include:

- Start/stop and latching circuits
- Timers and counters
- Modbus/TCP communications
- Email/Text and web page setup
- PID configuration
- Pushbuttons, pilot lights
- Data displays and data inputs
- Graphics and animation
- Alarms and passwords
- Remote control and monitor

This training course covers programming for MicroSmart FC6A PLCs and HG series HMIs. Classes include Q&A sessions with our experts to discuss specific applications.

Choose from kits featuring introductory-level products all the way up to our most advanced HMIs and PLCs. For detailed information, our current schedule and to sign up for a class, visit <http://training.IDEC.com>.



HMI Training Kit

800.262.4332

www.IDEC.com/usa

IDEC *Think Automation and beyond...*

Product Information

OI Touchscreens:
www.IDEC.com/oi

Automation Forum:
<http://us.IDEC.com/forum>

FT1A SmartAXIS:
www.IDEC.com/smartistaxis

SmartRelay:
www.IDEC.com/smartistrelay

Software:
www.IDEC.com/software

Starter Kits:
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Product Support

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