Starter Kits

Touchscreen Starter Kits

IDEC touchscreens are the perfect solution for control panels that take up a lot of expensive real estate. By the time you add up the cost of pushbuttons, meters and many other components, you'll see why IDEC touchscreens are such a value for your display needs. They save you time, money on installation costs, and can provide more detailed information in every screen.

For a powerful, yet compact choice, the HG1F 4.6" touchscreens are super-bright and can mount horizontally or vertically while still offering all the functions of larger touchscreens. HG3F and HG4F offer a larger screen, as well as larger memory size and Ethernet ports for remote monitoring. All IDEC touchscreens can function as standalone devices or communicate with IDEC PLCs, as well as all major brand PLCs. Some of the applications you can use them for are:

- Packaging Systems
- Water Treatment Systems
- Filtration Systems
- Semiconductor Manufacturing
- Engine Room Control Systems
- Machine Tooling
- Car Wash

The HG1F is bright enough to be read easily in sunlight.

Touchscreen Kits

	Part Number	Operator Interface	Power Supply	Software (Prog. Cables Included)
	SMARTTOUCH-1F	HG1F 4.6" Monochrome STN Black Bezel, RS232 Comm.	30W	WindO/I-NV2
	SMARTTOUCH-2F	HG2F 5.7" Color TFT Light Gray Bezel	30W	WindO/I-NV2
	SMARTTOUCH-3F	HG3F 10.4" Color TFT Light Gray Bezel	60W	WindO/I-NV2
	SMARTTOUCH-4F	HG4F 12.1" Color TFT Light Gray Bezel	60W	WindO/I-NV2

IDEC SmartRelay Starter Kits

IDEC SmartRelays are a cost-effective solution to your simple logic controls. It's an ideal replacement for your relay control system on small I/O sequencing applications. One IDEC SmartRelay can replace all the relays, timers and counters in your control panel. With I/Os expandable up to 50, built-in analog inputs, built -in LCD display for programming and monitoring, and 10A relay outputs, you can do more than ever before. The IDEC SmartRelay Starter Kit will incorporate everything you need to get your control system up and running.

Here are some actual applications where IDEC SmartRelays have been implemented

- Liquid Level Controls
- Valves and Pumps Control
- Solar Traffic Lights
- Industrial Ice Machines

IDEC SmartRelay Starter Kits

	Part Numbers	Controller Type	Software (Prog. Cables Included)
	SMARTSTART-BAC-D	12 I/0, 120-240V AC/DC w/o LCD	WindLGC
	SMARTSTART-BDC-D	12 I/0, 12/24V DC w/o LCD	WindLGC
	SMARTSTART-HAC-D	12 I/0, 120-240V AC/DC w/ LCD	WindLGC
	SMARTSTART-HDC-D	12 I/0, 12/24V DC w/ LCD	WindLGC

MicroSmart and MicroSmart Pentra Starter Kits

MicroSmart Pentra is the newest and fastest micro-PLC on the market. It incorporates all the latest features, a fast processing speed, up to 512 I/Os, built-in Modbus Master/Slave, 32-bit data processing and floating point math in a very compact housing.

The MicroSmart and MicroSmart Pentra Starter Kits are a great way to achieve the performance you're looking for in your system, without breaking the bank. Micro-PLCs are used in a wide area of applications, such as:

- Food and Beverage Equipment
- Packaging Machinery
- Printing Press Equipment
- Water treatment plants & systems
- Mail sorting equipment
- Oil & Gas refinery equipment

MicroSmart PLC Kits

	Part Numbers	Controller Type	Power Supply	Software (Prog. Cables Included)
	MM-SMART-10	10 I/O All-in-One CPU	–	WindLDR
	MM-SMART-16	16 I/O All-in-One CPU	–	WindLDR
	MM-SMART-20	20 I/O Slim CPU	15W	WindLDR
	MM-SMART-24	24 I/O All-in-One CPU	–	WindLDR
	MM-SMART-40	40 I/O Slim CPU	15W	WindLDR
	MM-PENTRA-16	16 I/Os Slim CPU	30W	WindLDR
	MM-PENTRA-24	24 I/Os All-in-One CPU	–	WindLDR

Solution Packages

Whether you want to give IDEC products a try or already use them but want a complete automation system that is quick and easy to put together, you'll find a great deal in our solution packages. Each package includes an IDEC operator interface:

- HG1F – 4.6" STN monochrome LCD touchscreen
- HG2F – 5.7" STN 256 color or monochrome LCD touchscreen
- HG3F – 10.4" TFT 256 color LCD touchscreen
- HG4F – 12.1" TFT 256 color LCD touchscreen

They also include a MicroSmart or MicroSmart Pentra PLC (Slim or All-in-One design), a 24VDC slim power supply, cables and software. Buy one package and you're ready to go.

Control at your fingertips

		Part Numbers	Operator Interface**	Controller Type	Power Supply
MicroSmart		MM-SMART-16-HG2F-M	HG2F 5.7" Mono STN	16 I/O All-in-One CPU	15W
		MM-SMART-20-HG2F-M	HG2F 5.7" Mono STN	20 I/O Slim CPU	60W
		MM-SMART-24-HG2F-M	HG2F 5.7" Mono STN	24 I/O All-in-One CPU	15W
		MM-SMART-40-HG2F-M	HG2F 5.7" Mono STN	40 I/O Slim CPU	60W
		MM-SMART-16-HG2F-C	HG2F 5.7" Color STN	16 I/O All-in-One CPU	15W
		MM-SMART-20-HG2F-C	HG2F 5.7" Color STN	20 I/O Slim CPU	60W
		MM-SMART-24-HG2F-C	HG2F 5.7" Color STN	24 I/O All-in-One CPU	15W
		MM-SMART-40-HG2F-C	HG2F 5.7" Color STN	40 I/O Slim CPU	60W
		MM-SMART-20-HG3F	HG3F 10.4" Color TFT	20 I/O Slim CPU	60W
		MM-SMART-24-HG3F	HG3F 10.4" Color TFT	24 I/O All-in-One CPU	60W
		MM-SMART-20-HG4F	HG4F 12.1" Color TFT	20 I/O Slim CPU	60W
		MM-SMART-24-HG4F	HG4F 12.1" Color TFT	24 I/O All-in-One CPU	60W
MicroSmart Pentra		MM-PENTRA-16-HG1F	HG1F 4.6" Mono STN	16 I/O Slim CPU	30W
		MM-PENTRA-24-HG1F	HG1F 4.6" Mono STN	24 I/O All-in-One CPU	30W
		MM-PENTRA-16-HG2F-C	HG2F 5.7" Color STN	16 I/O Slim CPU	30W
		MM-PENTRA-24-HG2F-C	HG2F 5.7" Color STN	24 I/O All-in-One CPU	30W
		MM-PENTRA-16-HG3F	HG3F 10.4" Color TFT	16 I/O Slim CPU	30W
		MM-PENTRA-24-HG3F	HG3F 10.4" Color TFT	24 I/O All-in-One CPU	30W
		MM-PENTRA-16-HG4F	HG4F 12.1" Color TFT	16 I/O Slim CPU	30W
		MM-PENTRA-24-HG4F	HG4F 12.1" Color TFT	24 I/O All-in-One CPU	30W

**HG1F: Light Gray Bezel, RS232 Comm., HG2F/3F/4F: Light Gray Bezel, All packages come with WindLDR & WindO/I-NV2 software