Control Units
with Touch Panel

* opt. Mounting Bezel / Plastic Case
* RS-232 / RS-422 / USB Interface
* 5V, 12V, 24V Supply
* up to 16 digital I/O's
* Colour, Blue-White or Yellow/Green
* Simulator Software for Windows®
* Short Leadtime

320x240 dots - STN Color
EA KIT320F-8CTP

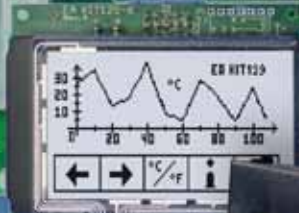*Aluminium mounting panel*

320x240 dots blue-white
EA KIT320-8CTP

160x128 dots blue-white
EA KIT160-7CTP

240x128 dots blue-white
EA KIT240-7CTP

EA KIT240-6LEDTP 240x64 dots yellow/green

EA KIT129J-6LWTP 128x64 dots black-white

EA KIT120-5LEDTP 120x32 dots yellow/green

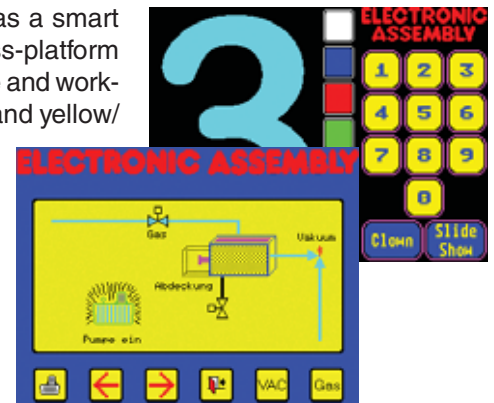*EA KIT160-6LEDTP 160x80 dots - blue-white*

THE EASY WAY FOR COMMUNICATION

NOW WITH LOTS OF NEW FUNCTIONS !

The EA KIT-series has built up it's reputation within many different applications as a smart control panel. The outstanding attributes of the well proved KIT-series are the cross-platform and simplicity to use. There's no need to learn a complicated programming language and work-in tools and driver. Once created, all screens are compatible in colour, blue-white and yellow/green.

The youngest member of family is the coloured EA KIT320F-8CTP. It provides many new functions. No need to say that there are several colour-supporting abilities built-in. In addition to that the EA KIT320F-8CTP provides 2 analogue inputs now: voltage supplied there can be displayed directly - full scaled by software with decimal point and polarity sign. Choose for decimal number in various sizes or for bargraph in individual size and orientation.

Even macro functionality is widen: from now on up to 16 auto-running macros can be started in parallel. In addition to that there are many portmacros and touchmacros they do start automatically when any digital input changes or a key on touchpanel is pressed. For some ad- ditional informations a seperate dotmatrix lcd display with up to 4x20 characters can be connected directly.
As usual these functions are easy to use. „Programming" is done via standard RS-232 interface. Even assembling is quickly done with the help of our anodized aluminium bezels.
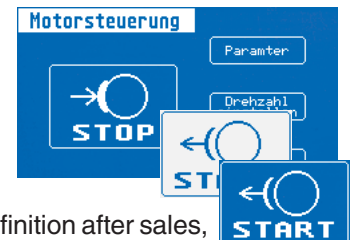
Display Output

16 different fonts are built in for viewing machine settings or error messages. All characters can be zoomed and displayed horizontal or vertical - accurate to the pixel !

Many graphics functions are built in for easy drawing: place box, draw line, automatically scaled bargraph and so on. No need to say that these control units can store and display many bitmaps, company logos and help text.

Input per Touch Panel

With a light touch on the display you are able to control a machine or any device in a smart way. The display is sensitive for pressure i.e. control can bo done with finger or pencil for example. Even with very dry hands or using a glove you are able to control your equipment in a safe way.

On the first glance a touch panel based system seems to be just innovative and space-saving in comparison to a standard keyboard. Looking twice there are many other advantages: above all flexibility allows to change key pad and legend at any time. Thus even for 1 pc. off control panel can be produced with different languages ! Also during run time key pads can be modified in size and position. According to the display content the same key pad may become a different function. Other key pad may be turned off. Double booking is no longer necessary. This makes operation much more simple and prevents operating error.

Flexibility is even more: thanks to the built-in FLASH/EEPROM it is possible to download a complete new touch panel definition after sales, too.

All sizes at a glance			
Resolution	**Viewing area / Outline dimension**		**Part number**
320 x 240, Colour STN	5,9"	155 x 115 x 34 mm	EA KIT320F-8CTP
320 x 240, ¼-VGA	5,9"	156 x 120 x 36 mm	EA KIT320-8CTP
240 x 128	5,0"	152 x 104 x 40 mm	EA KIT240-7CTP
160 x 128	5,1"	140 x 102 x 36 mm	EA KIT160-7CTP
240 x 64	5,4"	180 x 65 x 60 mm	EA KIT240-6LEDTP
160 x 80	3,1"	102 x 80 x 40 mm	EA KIT160-6LEDTP
128 x 64	2,8"	75 x 60 x 24 mm	EA KIT129-6LWTP
120 x 32	2,4"	77 x 54 x 26 mm	EA KIT120-5LEDTP
Accessories			
Assembling unit made of anodized aluminium			EA 0FPxxx-xSW
Cable with 9-pin D-SUB connector for PC			EA KV24-9B
Power supply 9..35V instead of 5V			EA OPT-9/35V
RS-422 Interface instead of RS-232C			EA OPT-RS4224
digital inputs and outputs with opto-coupler			EA OPT-OPTOxx

Control Function

With the help of built-in macro function complex screens can be programmed clearly and easily. Linking different macros allows simple control sequence. Touching the display surface starts a so called *Touch Macro*, which may include many commands. Also a digital signal coming from external may start an individual *Port Macro*. Exceeding or fall below a voltage limit may start an *Analogue Macro*. Up to 8 switching output and the serial interface RS-232 can control external equipment.

Simulation software for Windows®

The new software „ELECTRONIC ASSEMBLY LCD-Tools" allows full simulation of pictures and macros on a standard pc screen. Start the free download right now: http://www.lcd-module.com/products/touch.html and be convinced from the multi-functional and easy programming of the EA KIT-series. Moreover at our website you will find more informations and a complete user manual for each individual control unit.