Panel ERIC TCP/SP

General Description

Panel ERIC TCP/SP is the set of two devices, which work as user interface for ELVAC RTUs. The core is created by a touch control panel (TCP) with installed application ERICA, which works as a viewer of web interface in ELVAC RTU and a communicator for side panel (SP) connected into TCP. Side panel has three functions. Main function is the button Execute, which carries out the chosen action on TCP screen. This increases the security to prevent an accidental control. Another function of SP is an indication Attention, which can be user defined, for example for some system alarms signalization. Third function is the motion sensor, which automatically wakes up the TCP, when somebody is close, what saves the energy and screen. Some types of applications do not need SP, so the system can operate without it.

The set uses state of the art technologies and an average IT user is able to create a graphic application interface and setup of a control functions. It is possible to define any pictures, menu etc. for easy switching between screens and to display a data from ELVAC RTU in certain places or to define the control commands.
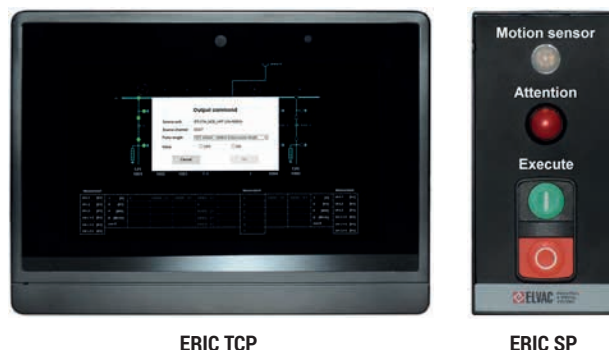
The set can be mounted in front panel (door) holes or in 19" rack using the reduction 5U panel.

Typical Applications

- user interface of control systems for substations, secondary substations etc.,
- user interface for applications like EMS, building management, family houses etc.,
- substitution of easy local SCADA system in substations, renewable energy sources etc.

Technical Specification

Panel	ERIC TCP/SP
Size of TCP touchscreen	8"
Communication with ELVAC RTU	Ethernet
Communication TCP and SP	Cabling is a part of delivery
External power source voltage	24 V DC
Power supply connector	2-pin terminal block
Wire cross-section	$1.5 \div 2.5$ mm^2
Dimensions of TCP	$219 \times 163 \times 47$ mm (W × H × D)
Dimensions of mounting hole for TCP	170×119 mm (W × H)
Dimensions of SP	$72 \times 144 \times 84$ mm (W × H × D)
Dimensions of mounting hole for SP	67×136 mm (W × H)
Installation depth (TCP / SP)	26 / 75 mm
Operating temperature	$-10 \div +50$ °C
Storage temperature	$-20 \div +60$ °C
Ambient relative humidity	5 % ÷ 90 % non-condensing

ERIC TCP   ERIC SP

Basis Features

- graphical intuitive interface and displaying of applications data for applications controlled via ELVAC RTU,
- unlimited number of read details (DI states, measurements etc.) and controlled outputs (DO), given only by RTU system configuration,
- button On/Off for selected command execution,
- alarms signalization, source of alarm can be shown on display,
- automatic wake up by motion sensor,
- another options, like switching of local and remote control, signaling reset etc.,
- substitution of complicated cabling used in other types of signalization,
- saves the number of inputs and outputs in RTUs, which are usually used for other types of signalization.

19" cabinet with ELVAC RTU and ERIC TCP/SP

Signaling and HMI Panels