

1.01. INFORMATION AND DIAGNOSTIC COMPLEX “REGINA”

Information and diagnostic complex “Regina” is intended for recording analog and discrete signals, analysis of emergency situation evolution, performance evaluation of protective relays and automatics, determination of fault locations in case of short circuits on transmission lines, determination of residual life of high-voltage circuit-breakers, compilation of daily records of the modes, and transferring the registered and processed information to the higher management levels.

A basic element of IDC “Regina” is a recorder of analog and discrete signals. The recorder captures electrical signals of alternating (AC) and direct (DC) currents and voltages, and discrete signals like “dry contact” or potential ones. Each recorder is powered by the voltage of 220V AC and/ or DC.



“Regina” Recorder

Technical specifications of recorder:

Number of analog inputs	Up to 32
Number of discrete inputs	224, 448, 672
Sampling frequency, Hz	1000...5000
Duration of a single event recording	unlimited
Number of events recorded	unlimited
Duration of pre-fault conditions recording (a customer can specify an optional length of pre-fault conditions), ms	usually 200

IDC “Regina” is certified by the relevant authorities in Ukraine and the Republic of Belarus. Also it was registered in the State Register of Measuring Instruments of Ukraine and the Republic of Belarus.

More than 1,000 recorders are used in different facilities of Ukraine, the Republic of Belarus, Moldova, Azerbaijan and Kazakhstan.