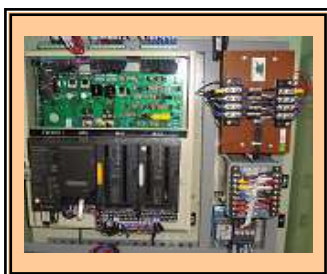
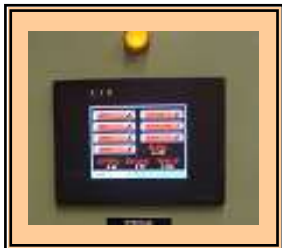


TECHNOLOGICAL DEVELOPMENT IN SERPRO – SEPAC WITHOUT BOUNDARIES



Scheduling parameters allows the use in a wide range of applications (AVR , FCR , PFR VAR) giving more flexibility in optimizing excitation system .

FUNCTIONS:

- Automatic Voltage Regulator (AVR)
- Field Current Regulator (manual channel)(FCR)
- Power Factor Regulator (PFR)
- reactive power regulator (VAR)
- Protection for low frequency (V / Hz)
- Over Excitation Limiter (OEL)
- Minimum Excitation Limiter (MEL)
- Protection for over voltage excitation
- Protection for over excitation current.
- Automatic Follower Integrated by an algorithm for tracking the demand signal of angle trip between channels (Tracking System)
- Initial Excitation (BUILD - UP)

The Technological development of SERPRO has no boundaries a MULTIFUNCIONAL COMPACT EXCITATION CONTROL UNIT is part of the product line in power control.

SERPRO develops and manufactures two systems of excitation control for synchronous motors : projects conducted for: SCHNEIDER ELECTRIC - PEMEX REFINERY SALINACRUZ ; OAXACA

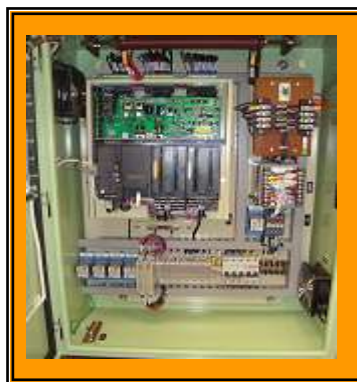
The structure of manufacturing the UCE-MICROPAC it is very compact , and is designed to control the exciter field generators (AVR) or the excitation control of synchronous motors
The structure of manufacturing the UCE-MICROPAC it is very compact , and is designed to control the exciter field generators (AVR) or the excitation control of synchronous motors



TECHNICAL SPECIFICATIONS

POWER UNIT.

- Control card range " s " digital phase 2 pulses per cycle with integrated power .
- Power supply 127/220 VAC
- Output voltage: 0 to 125 VDC
- Continuous-duty rated current 20 ACD



FEBRUARY 2011

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