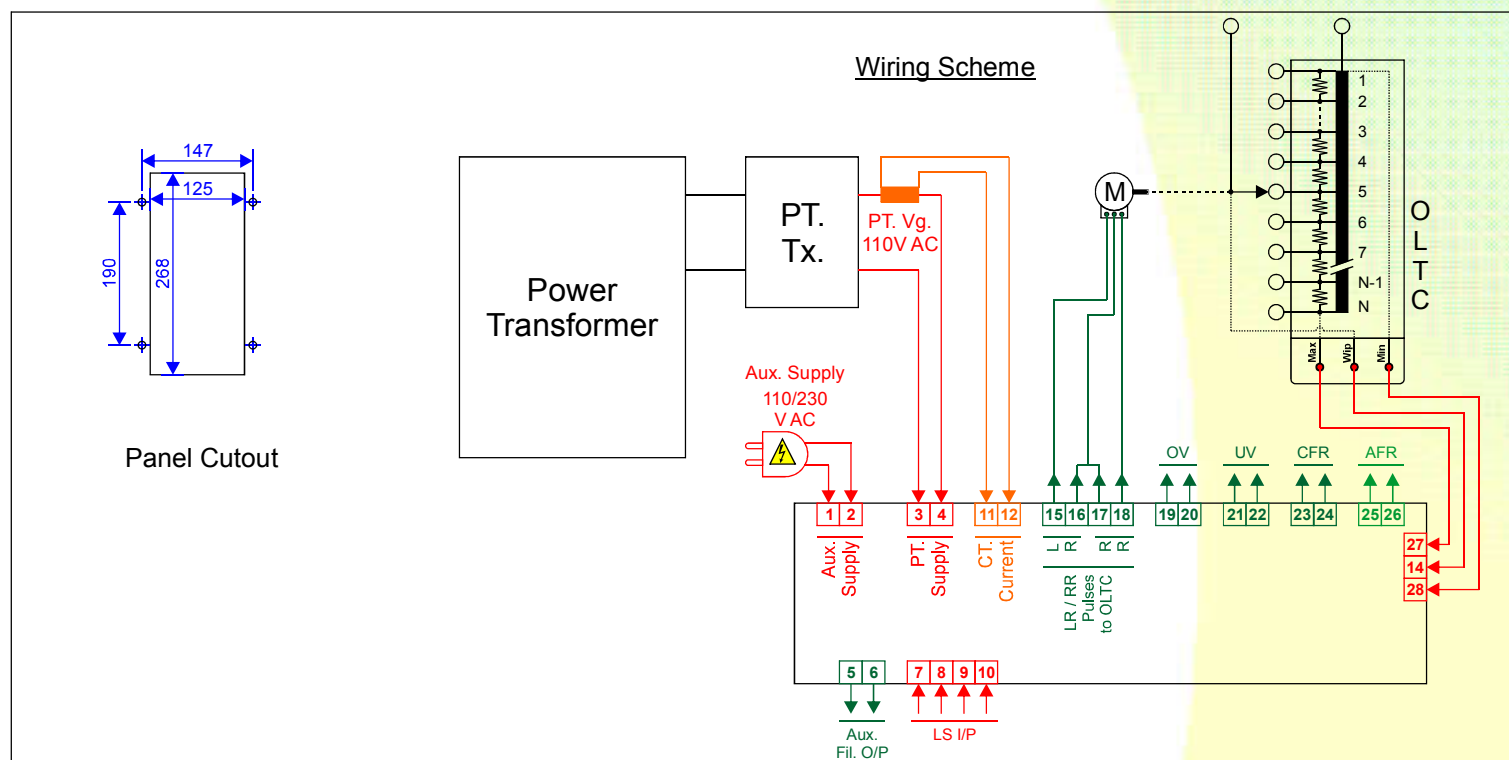


Automatic Voltage Regulating Relay : EE-302



Features

- ❖ Microcontroller based architecture
- ❖ Keyboard entry for parameter settings
- ❖ Linear or Inverse time response
- ❖ Two independent timers for first and subsequent pulses
- ❖ Single pulse operation
- ❖ Readout of Pri. & Sec. voltages in V, KV, and % Deviation
- ❖ Independent Raise & Lower setting in % of NS
- ❖ Auto / Manual mode of operation
- ❖ High speed return for Overvoltage condition
- ❖ UV / OV Alarm contact



Technical Specifications

(Product specifications are subject to change without notice)

Auxiliary Supply	: 110/230V AC $\pm 15\%$, 50/60Hz, 15VA	Control Relays	: 1 NO/PF contact of 5A@240VAC/24DC for Raise, Lower, UV, OV and CFR
PT Supply	: 110V AC, 1.5VA	Control Oper.	: Single Pulse oper. with ~2S ON time
Nominal Set (NVA)	: 85 to 140V in steps of 0.1V	Operating Temp.	: 0°C to 45°C.
Lower Setting	: +0.5 to +9% of NS in steps of 0.1%	Overall Dim.	: 268 x 165 x 340 mm (H x W x D)
Raise Setting	: -0.5 to -9% of NS in steps of 0.1%	Panel Cutout	: 268 x 125 mm (H x W)
Time Delay (T1)	: 10 to 180 secs, Linear or Inverse response	Weight	: 5 Kgs. (approx.)
Time Delay(T2)	: 0 to 11 secs. (0=continuous pulse, 11=T2 off)	Options	: 1. LDC with Res. & Reactive compensation of either polarity upto 20% @ 1A, 5VA CT
UV Blocking	: 60 to 95% of NS in steps of 0.1%		2. 1 NC/PF contact for Auxiliary Fail Relay
OV detection	: 105 to 130% of NS with high speed return		3. TPI upto 35 Taps with 1KE step res.
Primary Voltage	: 0-999.9 KV in steps of 0.1KV		4. OC blocking @150 of rated current
Control Fail	: 5 minutes fixed internally		
Load shedding	: NS reduced by 3%, 6% or 9% thru external I/Ps		