



The Parallel Control Unit (PCU) is used for controlling 2 Transformers in parallel. Raise & Lower contacts from AVR1 & AVR2 are connected to PCU, and the outputs from PCU are connected to OLTC1 & OLTC2. Switches on the front panel allows selecting AVR1 or AVR2 as master & the other as follower, or both as masters (independent). Selecting both AVRs as follower will block the PCU. Also if the Manual mode is selected, PCU is blocked i.e. no output pulses are given. External A/M switch (NO contacts) are sensed for determining Auto / Manual mode of operation.

TPI of both Transformers are displayed on PCU. In Master - Follower mode the tap no. of Follower is made equal to the tap no. of Master. If the Tap nos. of both the Transformers are unequal for 5 Min., both the OLTCs are blocked.

Features

- Microcontroller based architecture
- Built-in Tap position Indicator for both Transmformers
- ➢ 4-20 mA output for both Tap Position Indicator
- Selectable delay between Master & Follower pulses

Technical Specifications

- Switch selectable mode of operation
- Out of Step Indication & blocking
- Bus Coupler closure indication
- Minimum / Maximum Tap Blocking

Auxiliary Supply	:	110/230V AC ±15%, 50Hz, 15VA
Maximum Tap No.	:	21 (or as specified)
Time delay between	:	Settable between 10 to 150 secs
Mater & Follower Pulse		
Modes of Operation	:	Selected through Front Panel Switches
-		↓↓ - Independent AVRs
		↓↑ - AVR1 Master, AVR2 Follower
		↑↓ - AVR1 Follower, AVR2 Master
		↑↑ - PCU Blocked
Overall Size	:	92mm X 192mm X 220mm (H X W X D)
Panel Cutout	:	90mm X184mm (H X W)
Weight	:	2Kg (approx.)
Inputs		
Auto / Manual	:	External (NO) potential free contacts
Raise & Lower Input	:	(NO) potential free contacts from AVR1 & AVR2
Pulses		
Tap Position Indicators	:	Max, Wiper & Min wires from both OLTCs
Bus Coupler Input	:	(NO) potential free contacts from Bus Coupler
Outputs		
Raise / Lower Pulses	:	2 sec pulse with LED indication for both Transformers
Out of Step condition	:	LED indication with 1 pair of (NO) contacts
Bus Coupler Output	:	(NO) contacts for idicating Bus Coupler Closure
4-20 mA outputs for TPIs	:	
•		*

EMCO ELECTRONICS



 Mumbai Office : 302, Vasan Udyog Bhavan, Senapati Bapat Marg, Opp. Phoenix Mill, Lower Parel (W), Mumbai-400013. Tel.: 022 - 2490 2283 / 2492 3183 Fax : 022 - 2495 1024 Email: office@emcoelectronics.org
 Factory : Unit No. 13, Kedarnath, Tungareshwar Industrial Complex No. 1, Village Sativali, Vasai (E), Dist. Thane - 401 208. Tel.: 0250- 248 1783 Fax : 0250 - 248 1087 Email : mumbai@emcoelectronics.org
 Bangalore Office : 15, Wood Street, (1st Floor) Richmond Road, Bangalore - 560 025



Tel.: 080 - 2557 0215 Fax : 080 - 2556 6066 Email : emcoblr@bgl.vsnl.net.in
Product Specifications are subject to change without any prior notice