<u>SURDHI</u>®

<u>SDV-VAF96</u> Operating Instructions



Step 1 : Make the connection as per the Wiring Diagram. Then Switch - ON the device Step 2: It will start displaying all the digits from 0-9, then it will work with *default settings* and start displaying Ist page (Phase to phase voltage), 2nd page (Phase to Neutral Voltages) . 3rd page (Line Current). 4th page (Avg Phase to phase Vol, Line Current, Frequency), 5th page (Avg Phase to neutral Vol. Line Current, Freg.). 6th page (RPM), 7th page (Engine Run Hour) with 6 sec. interval between each page. Default setting are : a) PTR Ratio : 1 b) CTR Ratio : 1 c) No. of Poles : 4 d) Scroll : Enable (Auto). Customized Settings : For customized setting go to set mode by pressing Set key Step 3 : Select PT Ratio, Ptr between 0000-5000 with the help of UP and DOWN Keys as shown in Fig. (1). Press set key again to go to next parameter setting, CT Ratio i.e Ctr. Step 4 : Select Ctr between 0000-5000 as shown in Fig. (2) with the help of UP and DOWN Keys, example : . C.T Ratio: 5A - 25,000AAC by 5ACT & 1A - 5000A AC by 1 A CT (Programmable for any value, 5000 is max. multiplier) Example: a) For Current range upto 200A, select Ctr = 200/5=40 for /5A C.T and 200/1=200 for /1A C.T. b) For Current range upto 5000A or 5.00KA select Ctr = 5000/5=1000 for /5A C.T and 5000/1=5000 for /1A C.T Step 5: Select no. of Poles . PoL: 1 - 15. to calculate RPM as shown in Fig.(3). Now press SET key again to go to next selection. Step 6 : SCROLL ENABLE (AUTO) / SCROLL DISABLE (MANUAL) MODE SELECTION : Press UP or DOWN KEY to toggle between ENABLE / DISABLE. As shown in Fig.(4). Now press SET key again to go to next selection. Step 7 : Run Engine Hour Enable / Disable : As shown in Fig. (5). Now press SET key again to go to next selection. Select 3 Phase or 1 (Single Phase) : As shown in Fig. (6). Step 8 : Now press SET key again to go to next selection. Step 9: Now store/Enter these values with Yes or no : As shown in Fig. (7). If ves, then press SET key to come out of the SET mode. Now you Enters into the Running Mode and again If it is in Scroll Enable Mode(Auto) then It will display all pages from Page1 to Page 7 and Vice - Versa at an interval of 6 seconds between each page and if it is in Scroll Disable Mode(Manual) then it will keep on displaying single page and if u want to go to other page then keep on pressing any of the UP/Down key till you reach to the desired page. If no then it will Enter back to the SET Mode. : You can also toggle between Scroll Enable mode(Auto) and Scroll Disable mode (Manual) while in Running mode by pressing UP and DOWN Keys simultaneously A + @Turn Back

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