



Designed & Developed by

Excelsource
International Private Limited
Technology :: Innovation :: EPC



Manufactured by:

Delving Research & Development
Private Limited

Intelligent Reactive Compensation Unit (iRCU)

iRCU will calculate & display the capacitor required value for reactive power compensation for the Industrial & Agricultural in utility application it will improve the Power Factor into ~0.98.

FEATURES

1

iRCU will measure all Electrical Parameters

2

Measured data's are send to dedicated software for analysis purpose

3

iRCU will calculate the capacitor required value for reactive power compensation

4

iRCU will display how long capacitor is ON & howmuch KVAR is compensated it can be viewed in software

5

It will also check for the device rated values & if measured values exceeds the rated value it will switch ON the warning alarm & cut-off the power supply of the device

6

iRCU has multi step (2 step, 4 step, 6 step, and 8 step) capacitor switching depending upon load

7

Remote Calibration can be done through software

8

Long-life capacitors will be provided

9

Minimum and Maximum Power Factor values can be set in the software dynamically

10

Transmission Copper loss will be reduced and Efficiency will be improved

11

Active power balance is suggested resulting in reduction of line losses and energy consumption

12

Data Security & Dedicated Customer Support

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iRCU: Display Parameters

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Ur=230.7V Ug=231.0
Vb=227.92

Ir=11.26Iy=10.44
Ib=10.58In=0.00

PF R 0.56
Y 0.62 B 0.55

With Capacitor

Ur=230.4V Ug=231.0
Vb=227.66

Ir=6.58 Iy=6.89
Ib=6.18 In=0.00

PF R 0.98
Y 0.98 B 0.99

Log Report

DeviceLog

Show 10 entries

Search:

DeviceTime	Status
5/18/2022 12:23:22 PM	Connected

Showing 1 to 1 of 1 entries

Previous 1 Next

Capacitor Log

Show 10 entries

Search:

DeviceTime	Status
5/18/2022 3:36:32 PM	2 Capacitor On
5/18/2022 3:35:32 PM	1 Capacitor On
5/18/2022 1:29:31 PM	2 Capacitor Off
5/18/2022 1:29:31 PM	1 Capacitor Off
5/18/2022 12:36:02 PM	2 Capacitor On
5/18/2022 12:35:04 PM	1 Capacitor On
5/18/2022 12:33:28 PM	1 Capacitor Off
5/18/2022 12:31:52 PM	1 Capacitor On
5/18/2022 12:30:11 PM	2 Capacitor Off
5/18/2022 12:30:11 PM	1 Capacitor Off

Showing 1 to 10 of 14 entries

Previous 1 2 Next

Abnormality

Show 10 entries

Search:

DeviceTime	Abnormality In	Value
5/18/2022 12:29:23 PM	R-Phase Voltage (High)	00.00
5/18/2022 12:29:23 PM	Y-Phase Voltage (High)	00.00
5/18/2022 12:29:23 PM	B-Phase Voltage (High)	00.00
5/18/2022 12:29:23 PM	R-Phase Current (High)	00.00
5/18/2022 12:29:23 PM	Y-Phase Current (High)	00.00
5/18/2022 12:29:23 PM	B-Phase Current (High)	00.00
5/18/2022 12:28:23 PM	B-Phase Current (High)	00.00
5/18/2022 12:28:23 PM	Y-Phase Current (High)	00.00
5/18/2022 12:28:23 PM	R-Phase Current (High)	00.00
5/18/2022 12:28:23 PM	B-Phase Voltage (High)	00.00

Showing 1 to 10 of 42 entries

Previous 1 2 3 4 5 Next