



Pentas Lanceolata

Viscon Mini RTU



Viscon Dua Mini RTU/FTU is our latest microprocessor based equipment meant for distribution automation with basic functions status monitoring and control of wide ranges of applications. Compared to conventional Remote Terminal Unit (RTU), It is also suitable for controlling and monitoring of other applications such as water distribution, pipe lines, Oil & gas distribution

The RTU/FTU is designed to supports various communication interconnections, wired and wireless via its RJ45 intercafes. It is designed specifically for wall or pole mounting.

Product Highlights

- Microprocessor-based equipment
- Pole-mounting installation
- RS232 communication interface (RJ45)
- Industry standards compliance

General Features

- Multiple input/output (I/O)
- Built-in protection circuit
- Supervisory and remote settings capability
- Time synchronization
- User friendly diagnostic and configuration tool



FTU General Technical Specification

Parameters	Specification
Power supply source input	Input : AC 240 (50 or 60 Hz) ±15% Output: 12VDC
Operating temperature	-40°C to +85°C (temperature at FTU electronics)
Humidity	5% - 95% RH non condensing
Dimension	Enclosure: 400(W) x 300(H) x 200 (D)mm FTU: 158(W) x 90 (H) x 58(D)mm
Weight	5kg
FTU enclosure type	IP 54, mild steel epoxy coated
Communication interface	1200 – 115,200 bps Protocol IEC60870-5-101 RJ45 ports

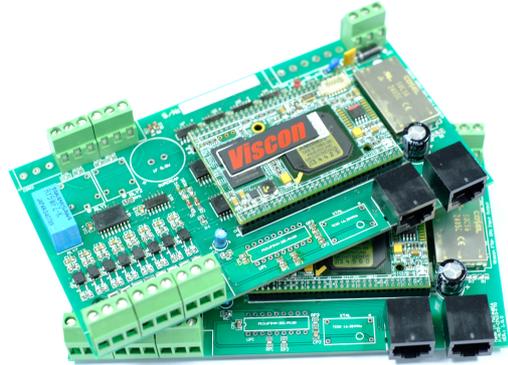
Input/Output Technical Details

Status inputs

Optically isolated input ports.
Configurable as Single, Double or Counter Form A or C type.

Control outputs

Relay isolated control ports
Programmable control pulse length and control timeout period.
Support Select-Before-Operate or Immediate-Execute control operation



Programming and Diagnostic Utility

The programming and Diagnostic Utility, PDU is a Windows-based software which is used to configure and test the FTU. This maintenance tool software will simulate a master system and perform data analysis using its user-friendly windows.

Standards

Environment compatibility

- IEC 60068-2-2
- IEC 60068-2-30

Ordering Information

FTU	PDSB-FTU Ver2
Enclosure	400(W) x 300 (H) x 220mm (D) Mild steel Epoxy coated
PSU	AC/DC Converter 240/12VDC
Battery	12VDC lead acid, maintenance free

Functional Specificatio

Ambient temperature	-25°C to +65°C	Yes
Wall mounted		Yes
Number of I/O points – status, control		8, 2
Requirement for status input		
Load switch status		Yes
Isolation > 2.5kV		Yes
Contact debounce, Relay chattering		Yes
Pulse accumulation		Yes
Counter freeze and reset		Yes
Send to master system within 30 seconds		Yes
Requirement for control output		
Select-before-operate		Yes
Execute immediate		Yes
Two pair parallel contacts		Yes
False operation prevention		Yes
AC powered from feeder with battery backed		Yes
Communication protocol – IEC60870-5-101		Yes
Supervisor test and maintenance		Yes



PRESTIGIOUS DISCOVERY SDN BHD(286874-W)

44, Jalan 1/27F, KLSC Wangsa Maju,
53300 Kuala Lumpur, Malaysia
Tel: +6 03 41497006 , Fax: +6 03 4149 6945
info@viscon.com.my
www.viscon.com.my

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