ASHE CONTROLS PVT LTD
an ISO 9001:2015 certified company

INTERNATIONAL SALES
Sparktech AUTOMATION

CP RMU

GPS based wireless current interrupting timer

Overview

The ASHE CP-RMU is a GPS based wireless current interrupting timer which is used for coordinating the simultaneous on-off switching in cathodic protection Rectifiers. It's precision timing accuracy is ensured and maintained by continuous synchronization with the Atomic Clock by communication with satellite over GPS along with live location of the unit.

Core function of the unit is to measure the electrical parameters from the system and transmit using MQTT & RS485-RTU. Unit will get connected on network using WiFi or SIM card based GSM network.

Complete data is logged in the device up to 100000 logs and can be extracted using Functions of the timer are controlled by a server with a dashboard. It is a specially designed Timer for carrying out On/Off CP surveys using the current interruption technique. This Timer switches the contactor in the CP unit On & Off to switch the output current from the unit On & Off.

A User specified dashboard is developed to access the unit remotely over MQTT. User Will have complete setup and configuration. All the data sent on server can beused to generate all types of report and send alarm with SMS/ Mail to the supervisor/operators. Unit will have all the interruptions modes to operate in a remote area with a user friendly dashboard.

Unit will have a LCD display 20 x 4 with 8 membrane tactile keys and LED for status indication.

Further, the instrument is manufactured using selected high-grade components which guarantee it's functionality and long operational life.

This product is backed by a full two-year warranty, covering all manufacturing defects and workmanship issues under normal operating conditions.

Specifications

Model	ASHE TX-535-DA.
Type	Microcontroller based GPS synchronized Wireless Current Interrupt Timer.
Indications	6 LEDs for status indications.
Control	Output One control relay change-over contacts.
Memory	Non-volatile on EEPROM.
Settings	By Tactile Membrane keypad and server dashboard.
Accuracy	± 2 ppm timing accuracy.
Display	16 x 2 LCD Display.
Connectivity	RS485 RTU and MQTT Protocol.
Network	Wifi or GSM based.
Dimensions	150 x 150 x 70 mm [H x W x D].
Power Supply	110 / 230 /440 V AC, 50/60 Hz, (optionally 24 VDC / 12 VDC) with Battery Back up.
Execution	DIN Rail mounting.
Enclosure	Industrial grade ABS.
Weight	Approximately 0.8 Kgs.
Operating Temp	Temperature 0 to 55^0 C.

Features

- High end Microcontroller based design
- Multichannel Analog and Digital Input with optical and Galvanic isolation
- High timing accuracy of 2 ppm with GPS sync.
- Remote access using server dashboard.
- Lithium Battery backed-up Real Time Clock and power back up
- Permanent NVRAM storage for data and USB extract option
- Timer synchronized to Atomic clock by GPS
- Remote Access using cloud connectivity with mobile and PC.
- DO output with both dry and wet contact.
- Power failure compensation with Li-ion battery backup
- Greenwich Mean Time (GMT) correction all over the world
- GPS options with live location tracking for controlled monitoring.
- Very low power consumption and heat dissipation
- 110/230/440 VAC Power Supply (optionally 24 VDC / 12 VDC)
- Rugged, industrial grade ABS enclosure
- High Noise immunity
- Two-year Performance Warranty
- Proven track record of successful site installations

www.ashecontrols.com • Phone : (022) 2405 1561, 2405 5791, 2405 5543 • E-mail : sales@ashecontrols.com