

## Three Phase PDU Firmware v1.1.4 Release Note

### THREE PHASE POWER DISTRIBUTION UNITS FIRMWARE RELEASE NOTES

#### Applicable Products:

#### All Three Phase PDU

Version 1.1.4 (Release Date: November 18, 2022)

#### New Features

- Adds support for Command Line Interface (CLI)
- Now supports configuration file download via File Transfer Protocol (FTP)
- Includes support for the following Algorithms:
  - Key Exchange:
    - diffie-hellman-group-exchange-sha256
    - diffie-hellman-group14-sha256
    - diffie-hellman-group14-sha1
    - diffie-hellman-group1-sha1
  - Ciphers:
    - aes256-cbc
  - MAC:
    - hmac-sha2-512
    - hmac-sha2-256
- Adds Challenge-Handshake Authentication Protocol (CHAP) to the RADIUS authentication type.

#### Feature Improvements

- Event notifications will no longer be supported by Gmail due to a worldwide policy change made with Google OAuth.
- Expands the account and password up to 31 characters for the Viewer and Outlet User.
- Adds support for using HTTP Post Request to submit account and password information on the Web interface.
- Includes support for logging into the PDU via Rebex SSH Client.
- Updated support for Gmail authentication on SMTP server for verification of Google mail server.
- Supports the SMS Service Provider function for Clickatell accounts created after 2016.
- Remove 3DES encryption suite from SSL ciphers for improved security.
- Remove TLS V1.0 Protocol from SSL Server for improved security.
- Now displays an error message when Viewer account and password length is more than 15 characters in Command Line Interface (CLI).
- The prompt to log out message is displayed when changing the IP information (IP address, Subnet Mask and Gateway) in Command Line Interface (CLI).
- Supports Save and Restore Configuration function for RADIUS Authentication Type.
- Removes 3DES encryption suite and SHA1 algorithm from SSH Server for improved security.
- Provides outlet name in notifications on a single outlet.

- Displays the TCP/IPv4 Subnet Mask and Gateway on the LCD for local management.
- Changes the TCP/IPv4 Subnet Mask from 255.255.255.0 to 255.255.0.0.

## **Fixes**

- Resolves an issue when it failed to follow the setting of Admin Manager IP when using FTP.
- Solves a problem with the outlet user failing to login when using LDAP Server.
- Fixes an issue with the login for the outlet user not being able to control the first outlet number, which is defined in the description, when using LDAP Server.
- Repairs an issue with the outlet username, of the last logged-in user, being incorrectly displayed in the field of the outlet user name for all related event logs.
- Fixes an issue where the PDU failed to set Clickatell as SMS Service Provider.
- Resolves an issue where the PDU failed to send email to specific servers with severe standard.
- Fixes a problem where the email reception time does not match the event time in a Daylight-Saving Time (DST) zone.
- Fixes an issue where the PDU failed to set Viewer Manager IP with subnet mask in Command Line Interface (CLI).
- Solves an issue where the PDU failed to login via HTTPS with Safari and Opera Web Browser.
- Resolve a problem where the LDAP/RADIUS Server Configuration may fail when settings are saved as "Skip Test" on the Web Interface.
- Repairs an issue with manual settings for daylight saving time..
- Solves an issue where special characters are not allowed when setting Schedule Name, Outlet Name, and Outlet User Name on the Web Interface.
- Fixes a problem with the PDU locking up when users upload 4096-bit SSH Hostkey.
- Resolves a problem where the outlet username is incorrectly displayed in the field of Outlet User Login/Logout event logs when the outlet username has special characters.
- Solve an issue where the changed values aren't displayed in the field accordingly after setting new Subnet Mask and Gateway on the Web Interface.
- Fixes an issue with a ColdStart Delay setting that may lead to outlet on delay failure.
- Correct the contents on the Help webpage.
- Fixes an issue where the PDU failed to quit the event log in Command Line Interface via serial port.
- Corrects an issue where the PDU Failed to restore Outlet Power Off Delay with the function of Restore Configuration.