



# **ProtectLink Dual-Band 700/800 DAS ORU Model Numbers**

CS40-734834-00D-AR
CS40-734000-00D-AR
CS40-000834-00D-AR
CS40-734834-00D-BR

**Version: 2.00.45**

## **Software Release Notes**

Document Number: CS40-734834-00D-AR/ CS40-734834-00D-BR  
Revision: 6.00  
Date: June 6<sup>th</sup> 2023

## Revision History

Revision	Author	Date	Description
1.00	C. Winckler	Oct 12, 2021	Release notes CS40-DB734834-BDA
2.00	C. Winckler	Dec 8, 2021	Modified for version 2.00.05
3.00	G. Pitsoulakis	May 2, 2022	Modified version for 2.00.21
4.00	G. Pitsoulakis	September 28, 2022	Modified version for 2.00.41
5.00	G. Pitsoulakis	October 12 <sup>th</sup> , 2022	Updated with comments, renamed doc
6.00	G. Pitsoulakis	June 14 <sup>th</sup> , 2023	Modified version for 2.00.45

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# 1. Introduction

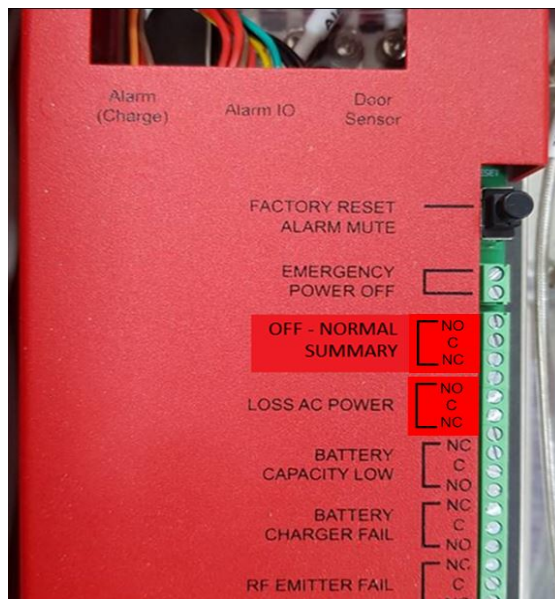
The purpose for this release is to provide DAS feature enhancements and address critical issues found impacting the functionality of the ProtectLink Dual-Band 700/800 DAS Ready ORU.

## Migration Instructions

Currently all releases are allowed to upgrade directly to 2.00.45.

1. Sign into the GUI and mask all alarms on all devices from the Alarm GUI screens.
2. If the current version is pre 2.00.21, the following output relays must be re-wired according to the diagram below:

OFF - NORMAL SUMMARY  
LOSS AC POWER



3. Perform the firmware upgrade from the System Settings GUI screen.
4. Unmask all alarms on all devices from the Alarm GUI screens.

## 2. Release Details

### 2.1 Changes made from 02.00.41 to 02.00.45

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#### Feature Enhancements

- Add's FPGA image compatibility check and improves memory utilization when used with ORU upgrade.
- Added new ORU alarm "BIDIRECTIONAL AMPLIFIER LOSS OF COMMUNICATION" flagging system component fail if communication is lost with BDA.
- Improved ORU to BDA syncing
- Adds Software version info to Print Config Device Report.
- Added AGC mode selection (standard or Dynamic) in Print Config Device Report.

## 2.2 Changes made from 02.00.21 to 02.00.41

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### User Interface Improvements

- EPO GUI Button relabeled to Emergency Transmit Disable. Note: silkscreen remains EMERGENCY POWER OFF
- Display incoming composite power DL and UL

### Feature Enhancements

- Addresses alarm issue with 800 MHz only BDA
- EPO contact allows all devices the change state
- ORU DL attenuator was not functioning at max output power
- Class A filter separation changed to  $BW \leq 150 \text{ kHz} (BW1/2) + BW2/2$  for dual band
- Added Health Monitor Feature

## 2.3 Changes made from 02.00.05 to 02.00.21

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### User Interface Improvements

- Changed GUI so that labels are shown clearer.
- Loss of AC Power alarm addressed [See Method of Procedure \(MOP\)](#)
- Improve Attenuation and Gain GUI display

### Feature Enhancements

- Improved ORU alarm logging and remote diagnostics
- Removed unnecessary alarms for single band operation

### **700/800 ORU Loss of AC Power Relay (Alarm modification needed) MOP**

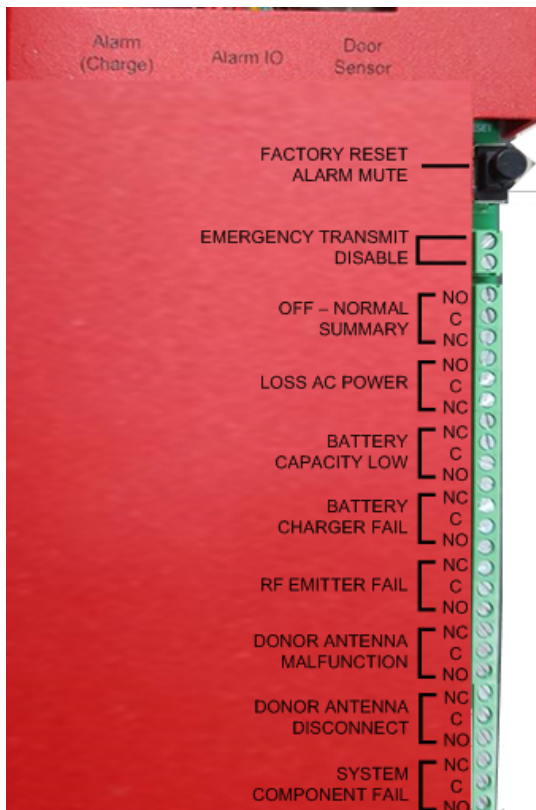
- Background: Defaulted the AC Power Fail and OFF-Normal Summary output relays to 1 which

is the charged state. On alarm those relays are now set to 0 or the uncharged state. This allows the relays to indicate failure on complete loss of power by switching the NO and NC contacts.

- **MOP for Alarm Relay migration**

1. Note the current version
2. Sign into GUI and mask all alarms on all devices from the Alarm GUI screens
3. If current version is **pre 2.00.21**, the following output relays **MUST** be RE-WIRED according to the diagram below:

**OFF - NORMAL SUMMARY**  
**LOSS AC POWER**



4. Perform the firmware upgrade from the System Settings GUI screen.
5. Unmask all alarms on all devices from the Alarm GUI screens.