OneRain
The Rainfall Company

StormLink™ A/A2 Concentrator Installation Guide

CORPORATE HEADQUARTERS
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Revision: Rev 1.0a
Updated: November 2013

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Overview

Introduction

The StormLink™ A/A2 Concentrator delivers ALERT and ALERT2™ data from a radio receive site via TCP/IP, with guaranteed delivery to a Contrail data collector. Its data storage/buffering capabilities prevent data loss from reporting gauge sites in the event of a network connectivity failure.

Hardware Description

Part	Qty.	Description
Rack mount Enclosure	1	19-in. rack panel enclosure, 5.25-in. tall, 17-in. deep, room required at rear for connections. Side vented and can be stacked with other equipment that does not become excessively hot.
Power	1	The concentrator power supply requires 12V DC. OneRain offers sealed batteries of 12 AH and 33 AH capacity. These are charged by a 120 VAC float charger that plugs into a receptacle. If the AC mains has emergency power backup (e.g., generator), the 12 AH battery may be used. If there is chance of the AC being out for an extended period of time, the 33 AH battery is recommended. Batteries are typically placed near the rear of the rack, or on a rack shelf the customer specifies or supplies. Power cables are made to order, and lengths to the battery and the charger need to be specified by the customer.
RF Input	1	The antenna input for the optional internal ALERT receiver/decoder is a BNC(f) connector on the rear. The customer shall supply lightning protection, grounding, and any required filtering.
Serial input/output for ALERT	1	A DB-9 (m) connector is provided on the rear of the cabinet to receive ALERT serial data from an external ALERT decoder, or to monitor the data received from the optional internal ALERT receiver/decoder.
Serial input for ALERT2	1	A DB-9 (m) connector is provided on the rear of the cabinet to receive ALERT2 serial data from a Blue Water Design B2010 ALERT2 Demodulator & Decoder, or similar data source.
Remote Power Switch	1	The power switch can be cycled using the web browser interface, but not configured. That must be done locally using vendor specific software tools.

Customer Requirements and Responsibilities

Prior to delivery, installation and connection, customers must provide OneRain with all the necessary information to enable the custom settings and configuration of the StormLink A/A2 Concentrator.

The Customer Configuration Form on page 3, must be completed. You will likely have to coordinate with your IT Department/ Network Administrator for information regarding your networked equipment, port access and connectivity.

Customer is responsible for:

1. Providing the allocated IP addresses;

2. Coordinating with their IT Department/Network Administrator to ensure that their firewall is configured to allow outgoing and incoming port access to the addresses provided by OneRain in section II and section III of Customer Configuration Form;

3. VPN for OneRain access to network addresses for Data Logger and Remote Switch;

4. Ensuring that they have a connection to their network.

StormLink™ A/A2 Concentrator

Customer Configuration Form

Complete the following form where indicated to ensure that your StormLink™ A/A2Concentrator is delivered fully customized and ready for deployment at your site. Send a copy of the completed form to OneRain via email at customer.support@onerain.com (or fax 303-774-2037). Keep a copy for your records. To fill out the form electronically and then save and submit, you'll need free Adobe® Reader®.

I. INSTALLATION SITE DETAILS

*(*to be completed by customer)*

*ORGANIZATION / BUSINESS NAME	*DEPARTMENT / DIVISION	
*STREET ADDRESS	*CITY, STATE, ZIP	
*PRIMARY CONTACT NAME	*PRIMARY CONTACT PHONE	*PRIMARY CONTACT EMAIL
*RF FREQUENCY FOR OPTIONAL ALERT RECEIVER	*PHYSICAL DETAILS OF INSTALLATION SITE	

II. STORMLINK™ CONCENTRATOR DATA LOGGER IP CONFIGURATION

*(*to be completed by customer)*

*STATIC IP ADDRESS	*SUBNET MASK	*DEFAULT GATEWAY	USAGE
			Data Logger

OUTGOING FIREWALL / PORT SETTINGS

	EXTERNAL IP (PROVIDED BY ONERAIN)	PORT (PROVIDED BY ONERAIN)	USAGE
1.			Data
2.			Data
3.			Data

INCOMING FIREWALL / PORT SETTINGS

	EXTERNAL IP	PORT	USAGE
1.	VPN access to static IP address	6785	Maint. & Diagnostics

III. REMOTE POWER SWITCH IP CONFIGURATION

*(*to be completed by customer)*

*STATIC IP ADDRESS	*SUBNET MASK	*DEFAULT GATEWAY	USAGE
			Remote Pwr Switch

INCOMING FIREWALL / PORT SETTINGS

	EXTERNAL IP (PROVIDED BY ONERAIN)	PORT (PROVIDED BY ONERAIN)	USAGE
1.	VPN access to static IP address	80	Maintenance & Diagnostics

PASSWORD / NOTES

DEFAULT PASSWORD	*REQUESTED PASSWORD (8 DIGITS)	NOTES
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Technical Support

For more information about our products and services, or for technical assistance:

Questions? Call 1-800-758-RAIN (7246)

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