



cable pressure *AirMAIL*

System Studies Incorporated

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Be Prepared!

If you've been tasked with providing backup air pressure protection for the central offices in your area, we strongly recommend installing an EADA cabinet outside each office and storing a 0911 Emergency Air Dryer at a centralized location within one hour drive of each CO. Doing so provides the disaster preparedness necessary to keep your air pressure systems operating when natural disasters or other situations prevent you from entering a central office.

To learn more about these important tools, log onto www.airtalk.com, email us at sales@airtalk.com, or simply give us a call (800) 247-8255 or (831) 475-5777.

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Are You Emergency Air Deliver Backup Plans in Place Yet?



Most everyone knows that it's now hurricane season. Earthquakes, tornados and flooding here in the United States are also increasingly more common occurrences. Considering these devastating weather events, are you prepared for the inevitability of a disaster in your service area? If you haven't yet implemented an emergency backup plan to protect your revenue-generating air core cables, now's the time to act.

At System Studies, we've already done the research, the product development and the testing of an Emergency Air Delivery Backup System that can protect your valuable outside plant and assure your customers that they'll have minimal or no disruption of service despite what Mother Nature might throw your way. This backup air delivery system is currently in place in numerous wire centers throughout the country, and it has proven to set a high standard of disaster preparedness.

This newsletter describes two of the more important items in our product line that provide this critical function: the 0911 Emergency Air Dryer and the Emergency Air Delivery Access Cabinet. We suggest you take a look at the information below and give us a call if you haven't yet implemented an air delivery backup plan in your area of operation.



0911 Emergency Air Dryer



Part No. 9800-0911

The Emergency Air Dryer, Part No. 9800-0911, is a portable air drying assembly installed on a commercial-grade hand truck. It is used to extract moisture from the air supplied by a trailer-mounted compressor, such as an Ingersoll-Rand. This temporary air source compressor can be set up during an emergency outside the central office at a wall-mounted Emergency Air Delivery Access Cabinet (see article below).

The innovative 0911 air drying tool uses membrane technology to extract moisture from the compressor feed. The only maintenance required is the changing of pre-filters after a period of extended use. Because the 0911 Emergency Air Dryer weighs less than 70 pounds and is only slightly longer than four feet in length, it can be placed in the back seat of a car or a maintenance truck. Once on-site, it can be easily set up and placed in operation by one person.

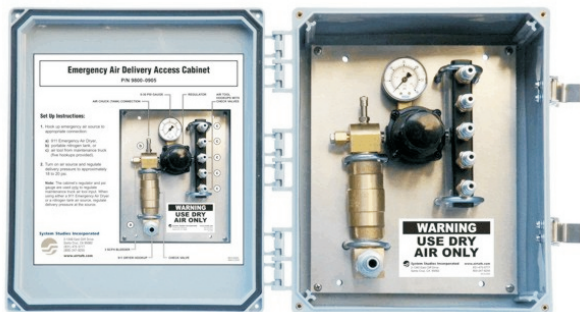
The output flow capacity of the 0911 air dryer is based on the size of the temporary compressor being used. In most applications the dryer can put out at least 90% of the compressor's output, with approximately 10% of the output lost due to the purging of the filter and desiccant elements. It should be noted that when dryer output climbs above 75,000 Standard Cubic Feet per Day (SCFD), the humidity in the output will begin to rise as well. For this reason System Studies recommends that you continually monitor dryer humidity output using the Humidity/Temperature Meter (Part No. 9800-3140) supplied with the dryer when operating at outputs in excess of 70,000 SCFD. During testing at our facility, we were able to produce 130,000 SCFD at a steady 7.6% relative humidity.

For more information regarding compressor sizing, dryer output expectations and associated relative humidity levels, please contact us at 800-247-8255.



Part No. 9800-3140

Emergency Air Delivery Access Cabinet



Part No. 9800-0905

The Emergency Air Delivery Access (EADA) Cabinet, Part No. 9800-0905, is designed to be mounted to an exterior central office wall. Once installed, it provides a single access point for connecting a System Studies 0911 Emergency Air Dryer or multiple air supplies from up to five trucks/Hesco Trailers. If office dryers fail and a loss of power prevents you from using the card reader at the CO entrance to enter the building, the EADA Cabinet can be used to supply temporary air feed to the pressure system until power is restored and the office air dryers are placed back in operation. Air delivery to the central office panels is achieved by using a flexible one-inch Nylobraid tube, which is routed from the cabinet through a hole in the CO wall and on to the office balance manifold.

The EADA Cabinet contains an Emergency Air Feeder Assembly which includes fittings to accommodate incoming air feed from: 1) a 0911 Emergency Air Dryer, 2) a portable nitrogen tank, or 3) a maintenance truck air tool (five fittings are supplied, each with a check valve). Another check valve on the connection for the 0911 Emergency Air Dryer prevents air from escaping through this connection. The air feed assembly also includes a 0-30 psi gauge and pressure regulator to adjust delivery pressure from the truck air tool hookups.