

# Emergency Air Delivery Access Cabinet

## Your Outside-the-Box Safeguard for Cable Pressurization

Central office, air dryer-fed cable pressurization systems provide ongoing protection for your valuable outside plant. But what happens if a fire, flood, tornado, hurricane—or mechanical conditions, such as commercial power loss and backup generator failure—shut down the system and prevent access to the central office for repairs?

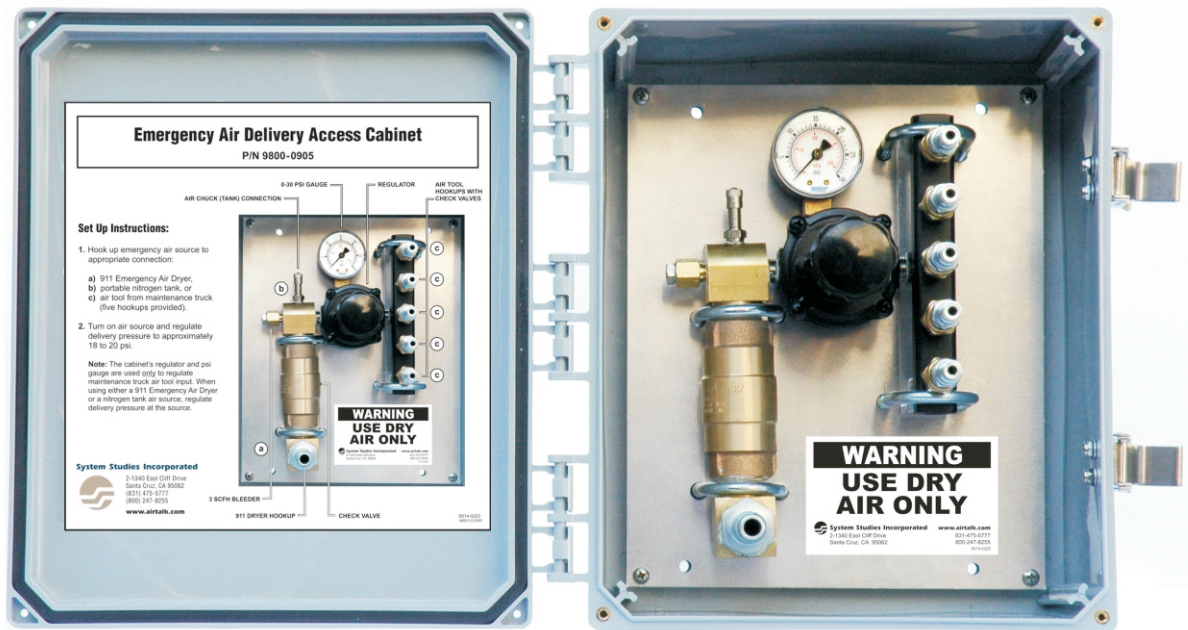
Our field and design engineers came together to answer this question with the design of an Emergency Air Delivery Access Cabinet (Part No. 9800-0905). This new product, called the EADA Cabinet, is designed to be mounted to an exterior central office wall. Once installed, it provides a single access point for connecting a System Studies 911 Emergency Air Dryer (Part No. 9800-0911) or multiple air supplies from up to five trucks/Hesco Trailers.

If your office dryers fail and a loss of power prevents you from using the card reader at the CO entrance to access the building, there's no need to resort to "breaking and entering." You can now supply emergency air feed to your pressurization panels from outside the office until power is restored and the central office dryers are placed back in operation.

### Product Description

The Emergency Air Delivery Access Cabinet is a rugged, hinged plastic enclosure with a 2-inch diameter hole drilled through the back. This opening provides a connection point for a 1-inch Nylobraid tube, which runs from the office balance manifold through the interior and exterior central office walls into the cabinet. The cabinet is supplied with four 1/4-inch holes so that the unit can be flush-mounted to the exterior CO wall once the Nylobraid tubing has been connected and secured.

The cabinet contains an Emergency Air Feeder Assembly (Part No. 9800-0901), which includes fittings to accommodate incoming air feed from a System Studies 911 Emergency Air Dryer (Part No. 9800-0911), a portable nitrogen tank, or a maintenance truck air tool (five fittings are provided, each with a check valve). Another check valve on the connection for the 911 Emergency Air Dryer prevents air from escaping through this connection. The Emergency Air Feeder Assembly also includes a 0-30 psi gauge and pressure regulator to adjust delivery pressure for the truck air tool hookups.



Emergency Air Delivery Access Cabinet (inside)  
Part No. 9800-0905



## Emergency Air Delivery Access Cabinet

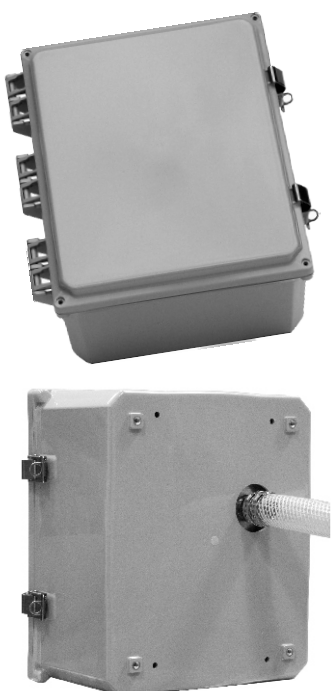
Pressurized air from the CO manifold (approximately 18 to 20 psi) is fed back through the one inch tubing to the EADA Cabinet. A bleeder valve installed on the cabinet's Emergency Air Feeder Assembly permits a steady flow of air (approximately 3 SCFH) to escape from the pressurized Nylobraid tubing, through the assembly and out to atmosphere. The constant air flow keeps the one inch tubing and cabinet interior dry when not in use.

A check valve fitting with air bleeder hole (Part No. 6240-0145BLDR) is installed at the balance manifold/Nylobraid tubing connection. This fitting provides the dual function of: **1)** balancing pressure at the CO manifold and the EADA Cabinet (bleeder hole function), and **2)** preventing a break in the Nylobraid tubing or a dislodged EADA Cabinet from draining the air delivery system (check valve function).

### Ordering

The **Emergency Air Delivery Access Cabinet** (Part No. 9800-0905) contains the pre-installed components required to connect your exterior emergency air source(s):

- One 3/4-in NPT-M to quick coupling pneumatic male nipple (for System Studies 0911 Emergency Air Dryer)—connected to one (1) 3/4 in check valve
- One 1.25 in tank valve with cap (for incoming nitrogen tank hookup)
- Five 1/4-inch NPT-M ARO (automotive) interchange coupler plugs (for incoming maintenance truck air tool hookup)—each plug includes a check valve
- Pressure regulator and 0-30 psi gauge (to regulate input from the air tool hookups)
- Bleeder valve (3 SCFH) fitting



Emergency Air Delivery Access Cabinet  
(front and back)  
Part No. 9800-0905

In addition to the manufacturer-installed cabinet components, Part No. 9800-0905 also includes the fittings and connectors needed to make the pneumatic connection from the cabinet to the office balance manifold. Due to individual installation requirements, however, the required 1-inch Nylobraid tubing (Part No. 7900-0011) needs to be ordered separately.

Installation components include:

- Wall Drilling Template (Part No. 6514-0227)
- Two Low Profile One Inch Hose Clamps (Part No. 6200-0038)
- One 3/4-inch NPT-F Elbow (Part No. 6240-0157)
- Three 3/4-inch NPT-M Barbed Connector Fittings (Part No. 6240-0009)
- Three-High Torque Clamps for one inch tubing (Part No. 6200-0022)
- One 3/4-inch NPT-F Check Valve with Bleeder Hole (Part No. 6240-0145-BLDR)
- One 3/4-inch NPT-M Nipple Fitting (Part No. 6240-0119)

### Specifications

#### Case/Enclosure

**Dimensions:** 10.0 in (25.4 cm) wide x 12.5 in (31.75 cm) high x 7.375 in (18.73 cm) deep

**Weight:** 10.10 lbs (4.58 kg)

**Construction:** Heavy duty Terrawave polycarbonate (water resistant), solid lid, rubber-fitted lid seal, two (2) metal lid fastener clasps, three (3) hinges

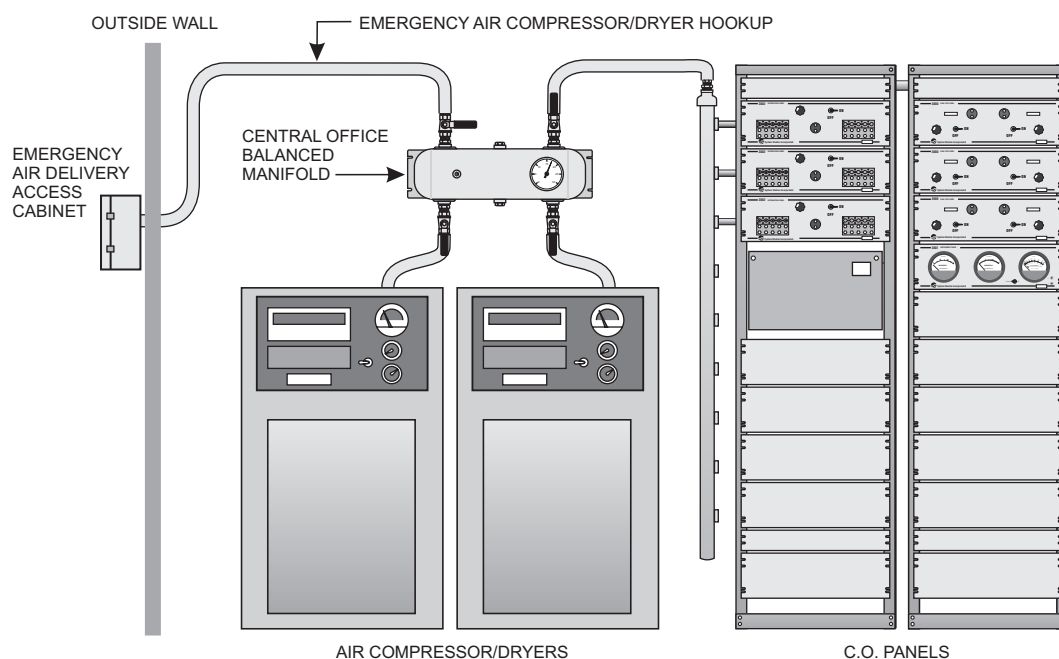
#### Pneumatic Connections:

**Outgoing to central office** – one (1) 3/4 in (1.905 cm) barbed NPT-M fitting for Nyla braid tubing

**Incoming 911 Air Dryer hookup** – one (1) 3/4 in (1.905 cm) NPT-M to quick coupling pneumatic male nipple

**Incoming nitrogen tank hookup** – one (1) 1.25 in (3.175 cm) long, tank valve with cap (1/8 in [0.3175 cm] NPT-M thread)

**Incoming maintenance truck air tool hookups** – five (5) 1/4-inch (0.635 cm) NPT-M ARO (automotive) interchange coupler plugs. Additionally, five (5) 1/4-inch industrial interchange coupler plugs are included as replacements for trucks that require this type of fitting.



AIR COMPRESSOR/DRYERS

C.O. PANELS