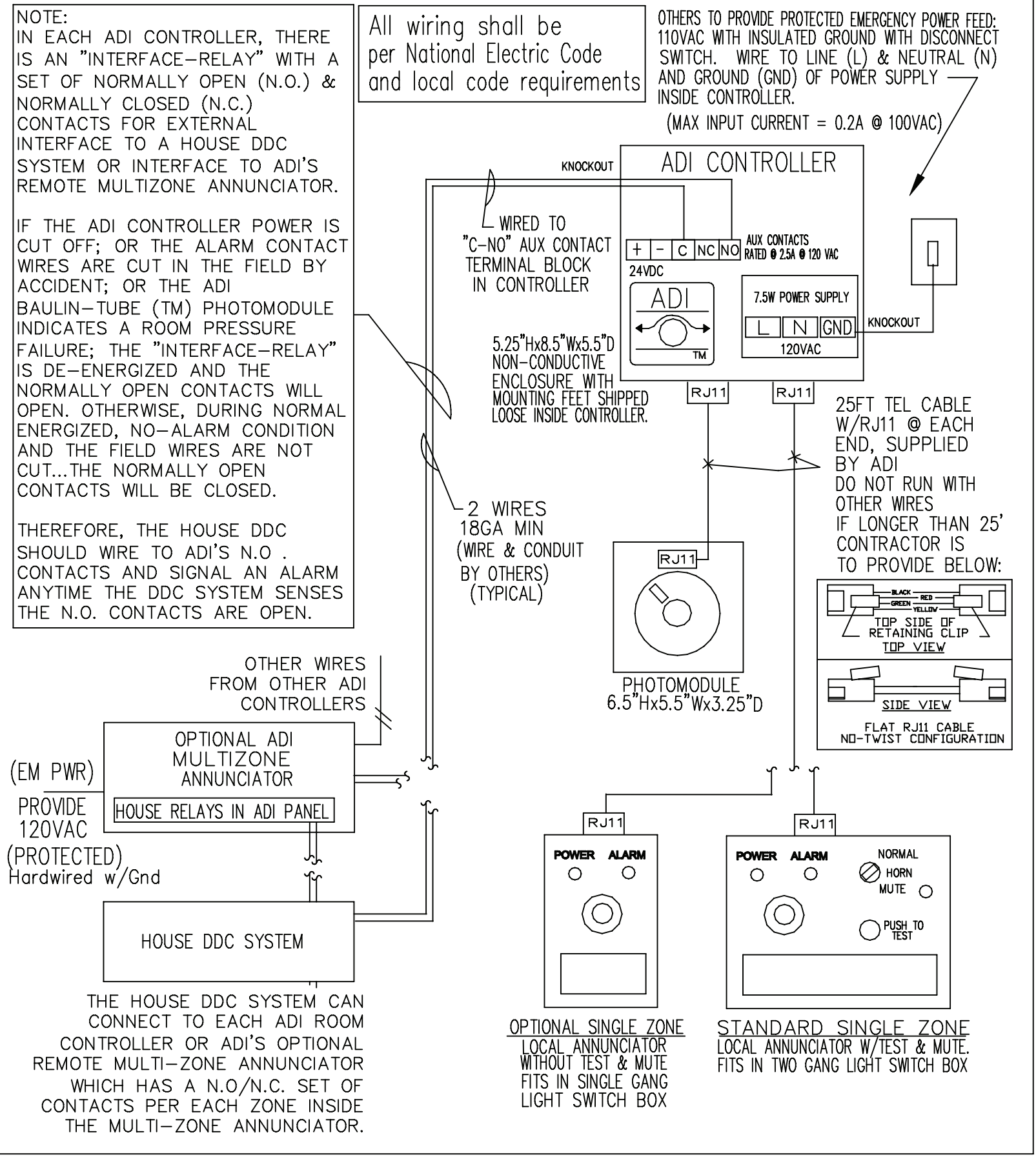
NOTE:
IN EACH ADI CONTROLLER, THERE IS AN "INTERFACE-RELAY" WITH A SET OF NORMALLY OPEN (N.O.) & NORMALLY CLOSED (N.C.) CONTACTS FOR EXTERNAL INTERFACE TO A HOUSE DDC SYSTEM OR INTERFACE TO ADI'S REMOTE MULTIZONE ANNUNCIATOR.

IF THE ADI CONTROLLER POWER IS CUT OFF; OR THE ALARM CONTACT WIRES ARE CUT IN THE FIELD BY ACCIDENT; OR THE ADI BAULIN-TUBE (TM) PHOTOMODULE INDICATES A ROOM PRESSURE FAILURE; THE "INTERFACE-RELAY" IS DE-ENERGIZED AND THE NORMALLY OPEN CONTACTS WILL OPEN. OTHERWISE, DURING NORMAL ENERGIZED, NO-ALARM CONDITION AND THE FIELD WIRES ARE NOT CUT...THE NORMALLY OPEN CONTACTS WILL BE CLOSED.

THEREFORE, THE HOUSE DDC SHOULD WIRE TO ADI'S N.O . CONTACTS AND SIGNAL AN ALARM ANYTIME THE DDC SYSTEM SENSES THE N.O. CONTACTS ARE OPEN.

All wiring shall be per National Electric Code and local code requirements

OTHERS TO PROVIDE PROTECTED EMERGENCY POWER FEED: 110VAC WITH INSULATED GROUND WITH DISCONNECT SWITCH. WIRE TO LINE (L) & NEUTRAL (N) AND GROUND (GND) OF POWER SUPPLY INSIDE CONTROLLER.
(MAX INPUT CURRENT = 0.2A @ 100VAC)



THE HOUSE DDC SYSTEM CAN CONNECT TO EACH ADI ROOM CONTROLLER OR ADI'S OPTIONAL REMOTE MULTI-ZONE ANNUNCIATOR WHICH HAS A N.O/N.C. SET OF CONTACTS PER EACH ZONE INSIDE THE MULTI-ZONE ANNUNCIATOR.

OPTIONAL SINGLE ZONE
LOCAL ANNUNCIATOR WITHOUT TEST & MUTE FITS IN SINGLE GANG LIGHT SWITCH BOX

STANDARD SINGLE ZONE
LOCAL ANNUNCIATOR W/TEST & MUTE. FITS IN TWO GANG LIGHT SWITCH BOX

ADI TM

Airflow Direction Incorporated

Title: Alarm Layout & Wiring Diagram

DWG: Detail-V+A Layout & Field Wiring.dwg

Date: 10/1/94

Rev: 10/16/07