



# iAIRE OUTSIDE AIR (OA) HOOD/DUCT WITH OPTIONAL MOD DAMPER SPECIFICATION

## Part 1 – Product

- A. The hood/duct shall be constructed of galvanized steel coated with a painted finish that can withstand Federal Method Standard No.141 (Method 6061) 500-hour salt spray.
- B. Insulation and adhesive shall meet NFPA 90A requirements for flame spread & smoke generation.
- C. Unit shall be a factory assembled, single piece unit. Contained within the unit enclosure shall be all factory wiring with a single location to land control power.
- D. The unit shall be microprocessor controlled
- E. The operator interface shall consist of push button interface and a back-lit LCD screen. No external device should be necessary to program or set-up the OA Hood

## Part 2 – Options

- A. Airflow control - The unit shall be capable of allowing the operator to control the unit based on outside airflow (CFM). The airflow will self-balance the damper to the operator input CFM regardless of static. This control also allows for a low CFM alarm to be established meeting the requirement in LEED certification.
- B. IAQ control – The ERV/RTU combination shall be equipped with ionization devices appropriate for the RTU airflow, VOC & CO2 sensors. The ionization devices will help purify the air in the space. The controller will take the input from the CO2 and VOC sensors to determine the amount of air that is required in the space and then control the unit to bring in the appropriate amount of outside air