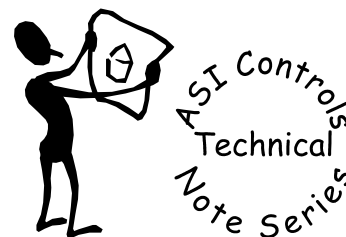




ASIC/1-6000 Controller Grounding

Affects: ASIC/1-6000, -PD, -MB, -MB-PD

Date: 4 August 2006



Note No. TE-034

Controller Grounding

The ASIC/1-6000 controller must be solidly connected to the building electrical ground to ensure proper operation of the controller. The ASIC/1-6000 controller is a grounded device. The controller should be grounded by attaching #16 gauge wire from 24 Vac Common, TB1-4 to the grounded sheet metal of the VAV box being controlled.

WARNING: Failure to properly connect the controller to building ground may cause controller malfunction.

This applies to all versions of the controller including ASIC/1-6000 and ASIC/1-6000 PD (Pressure Dependent); and the Metal Base versions ASIC/1-6000-MB and ASIC/1-6000-MB-PD.

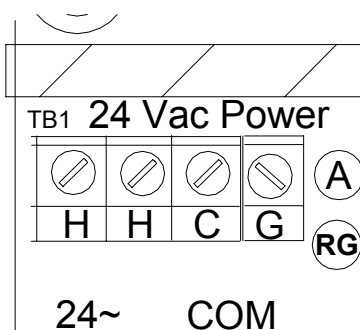
If the supply transformer is more than 4 feet from the 6000 controller, the wire connected to 24 Vac COM, Common, should also be grounded to building ground near the transformer. Determine which transformer wire is connected to 24 Vac Common, COM of the ASIC/1. Attach a #8 ring connector to this wire within 8" of the transformer. Secure it to a clean, non-painted, metal surface that is connected to building ground.

The power and ground terminations should be made to the screw terminals 24 Vac HOT and 24 Vac COM using wire no larger than 16 gauge and no smaller than 20 gauge stranded or solid copper wire. When making terminations with stranded wire, be particularly careful that all strands of wire are terminated inside the connector. Loose strands can short out power.

Power wiring should be routed to:

HOT, 24 Vac hot

COM, 24 Vac common, (board ground)



If you have any further questions please contact: ASI Controls Technical Support support@asiccontrols.com, or call 925-866-8808.