ISOLATOR WIRING METHODS FOR CLASS "A" FIELD DEVICES

WIRING METHODS ARE APPLICABLE TO DATA COMMUNICATION LOOP ISOLATORS AS WELL AS POWER BUS ISOLATORS. INTENDED USE OF ISOLATORS IS TO MINIMIZE THE LOSS OF COMMUNICATIONS WITH (OR POWER TO) FIELD DEVICES TO ONE FLOOR AREA.

NOTE: ISOLATORS SHOWN IN RED ARE NOT REQUIRED IF THE CONTROL PANEL EMPLOYS INTEGRAL DATA LOOP ISOLATORS.

ISOLATOR SHOWN IN BLUE PROTECTS THE RETURN RISER (RECOMMENDED WHEN EMPLOYING UNI-DIRECTIONAL TYPE ISOLATORS)

Provides maximum protection for style "C" DCL/PBR riser and class "A" circuits in a floor area. Isolators should still be located in an electrical closet or other protected space on the floor.

This wiring diagram illustrates multiple data loop modules terminated in a class "A" style "A" configuration.

NOTES:
1. Conventional wiring shown in green.
2. If more than one smoke detector is required in a stairwell, wire DCL from floor area side of each required level as shown.
3. Stairwell or elevator shaft.

Stairwell Installation (Class "A" DCL loop)
Top of stairwell is depicted.