

# SIEMENS

## Installation Instructions

Model DC-35S

Voltage Regulator Module

### Description

The Model DC-35S regulator from Siemens Industry, Inc. is designed to provide filtered and regulated DC power from the bridge only unfiltered, unregulated DC power output of the PS-35S. This module provides regulated power to the models RM-30U/RU for Factory Mutual approved pre-action or deluge sprinkler releasing applications.

The DC-35S is placement supervised within the System 3™ control panel. It features a power-on LED and a fused input.

The DC-35S regulator supplies regulated power to pre-action/deluge sprinkler control valves. The module provides a regulated output at up to 0.75A at 28VDC. The regulated power is routed through the TC-30U transfer module to accommodate battery back-up requirements and the through the model RM-30U or RM-30RU release module. The release module connects to, and controls, the electric solenoid pilot valve on the pre-action/deluge sprinkler system.

### Electrical Information

Input Voltage: 38.5 VDC Unfiltered FWR

Maximum Input Current: 1.5A

Output Voltage: 28 VDC Unfiltered FWR

Maximum Output Current: 0.75A (Special Application)

### Installation

**Remove all system power before installation, first battery and then AC.** (To power up, first connect the AC and then the battery.)

1. Mount the module to the horizontal mounting brackets in the control enclosure.
2. Install the Model JA-5 (5 in long) bus connector cable assembly between receptacle P2 of the module and receptacle P1 of the module or control panel immediately preceding it in the bus.  
**Note:** If the preceding module is on another row in the enclosure, a JA-24 (24 in long) bus connector cable assembly will be required.
3. Modules are to be bus-connected from right to left. For two-row enclosures, the modules in the lower row are to be connected from left to right. Succeeding rows are to be alternately connected, right to left, left to right, etc.
4. If a module is the last module in the system, install either a JS-30 (30 in long) or JS-64 (64 in long) bus connector assembly from the unused receptacle of the last module to terminal 41 of the CP-35 control panel. This completes the module supervision circuit.

### Fuse Replacement

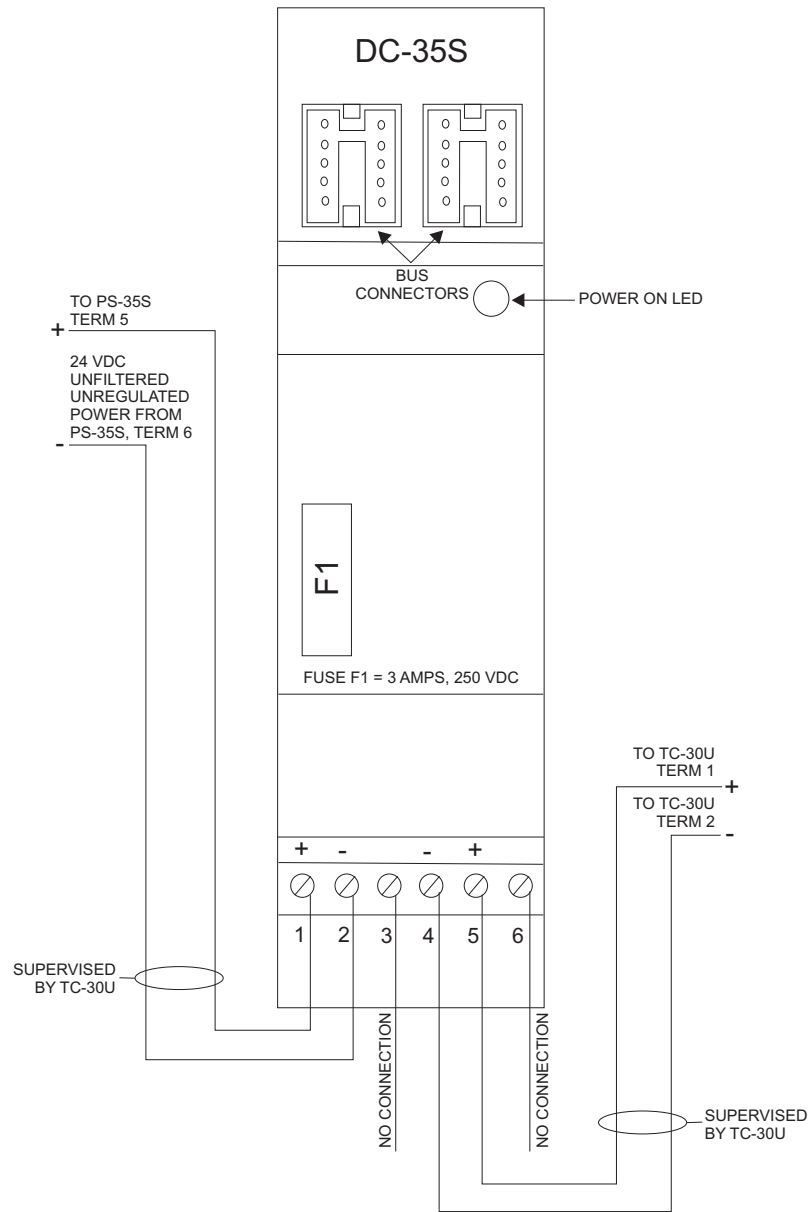
**Remove all system power before installation, first battery and then AC.** (To power up, first connect the AC and then the battery.)

To remove fuse F1, slide the fuse out from the fuse holders. Insert the new fuse.

### Troubleshooting

Refer to TROUBLESHOOTING THE CP-35 in the Instruction Manual for the control panel.

# Typical Wiring



**NOTE:**

1. ALL TERMINALS ARE NON-POWER LIMITED.
2. POSITIVE OR NEGATIVE GROUND FAULT DETECTED WHEN TERMINALS 1,2 AND 4,5 ARE SHORTED TO EARTH GROUND.