



## ADT SUPPLEMENT FOR ADT-AFM-16A

(For MANUAL #A15207 Rev. A)

Document 50330 Rev B 1/29/96 ECN 96-046

Replace the paragraph with the heading, **Wiring**, on page 3 with the following:

### Wiring

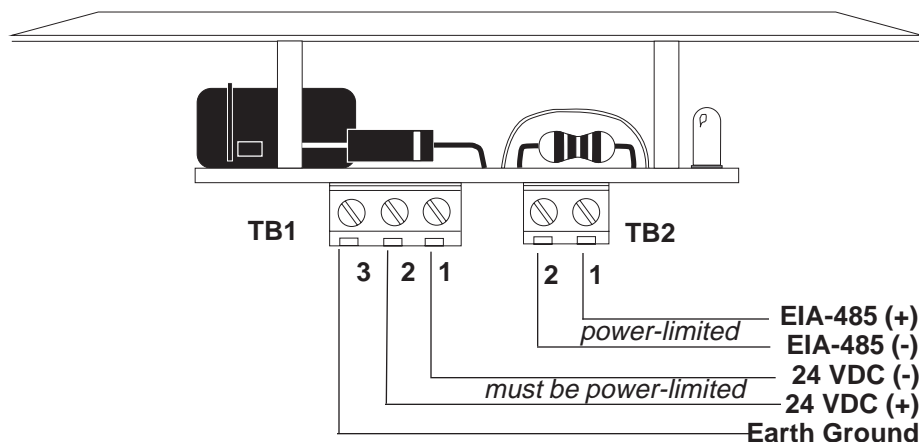
Communication between the control panel and the AFM is accomplished over a two-wire *power-limited* EIA-485 serial interface (formerly referred to as RS-485). This communication, to include the wiring, is supervised by the control panel's CPU. Loss of communication results in 'System Trouble' and Module Failure' indications at the CPU. Power for the AFM is provided via a separate power loop from the control panel which is inherently supervised (loss of power also results in a communication failure at the control panel) *and must be power-limited*. No End-Of-Line Resistor needs to be installed because the EIA-485 circuit is internally terminated on the annunciator.

Add the term **Power-limited** to the illustration of the EIA-485 Circuit in Figure 1-2: Multiple ADT-AFM-16As on page 5.

Replace Figure 2-4: ADT-AFM-16A Field Connections page 9 with the following:

### Figure 2-4: ADT-AFM-16A Field Connections

Connect the annunciator and power wiring to the terminal blocks on the back of the ADT-AFM-16A as illustrated below.



### **Caution!**

*Failure to observe proper polarity on these connections may result in damage to the annunciator.*



Replace page 11 with the following information (new power supplies):

## Main Power Supply Connections

The ADT-AFM-16A annunciator can be powered by an MPS-24A, MPS-24B or MPS-24BPCA. This power run to the annunciator need not contain a Power Supervision Relay since loss of power is inherently supervised through communication loss.

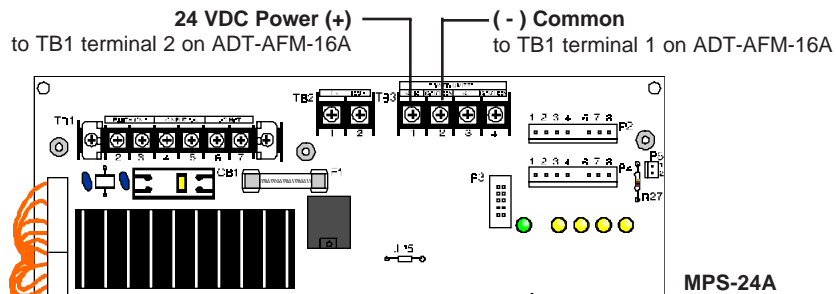


Figure 2-6A:

### MPS-24A Main Power Supply :

Connect the power run for the AFM to MPS-24A TB3 Terminals 1 (+) and 2 (-) (1 amp max) or TB3 Terminals 3 (+) and 4 (-) (3 amps max). The total amount of current drawn from these terminals cannot exceed the above ratings in standby or in alarm.

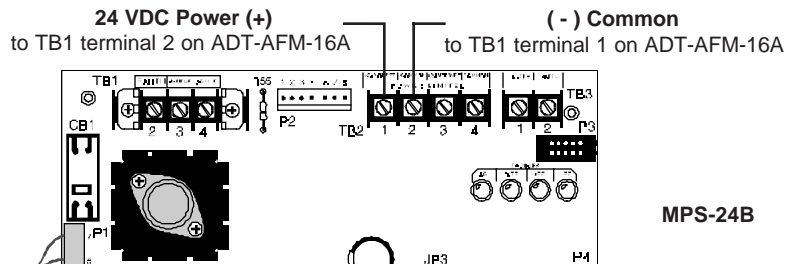


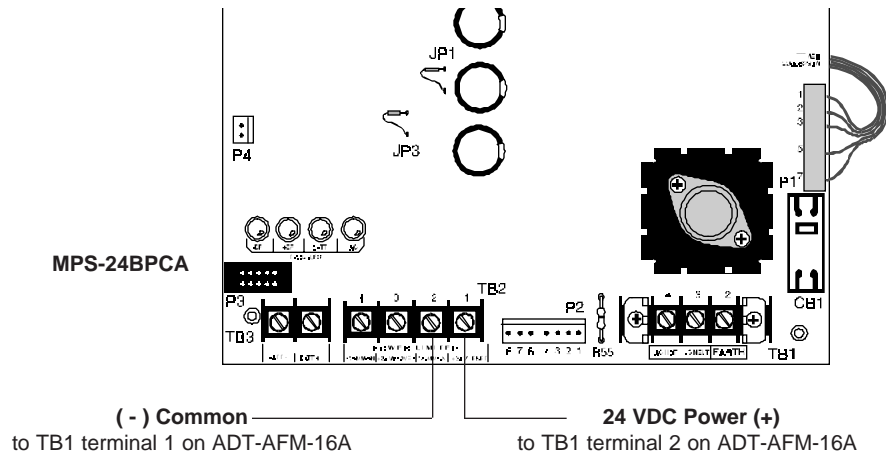
Figure 2-6B:

### MPS-24B Main Power Supply (Unimode II Only)

Connect the power run for the AFM to MPS-24B TB2 Terminals 1 (+) and 2 (-). No more than 200 mA current can be drawn from these terminals in standby or alarm.



Replace page 12 with the following information (new power supply):



**Figure 2-6C:**

**MPS-24BPCA Main Power Supply (Unimode 4-16 Only)**

Connect the power run for the AFM to MPS-24BPCA, TB2, Terminals 1 (+) and 2 (-). No more than 200 mA current can be drawn from these terminals in standby or alarm.