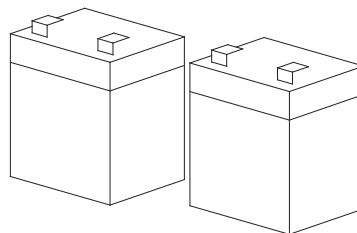


Detex Corporation, 302 Detex Drive, New Braunfels, Texas 78130-3045
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INSTRUCTIONS FOR 80-800

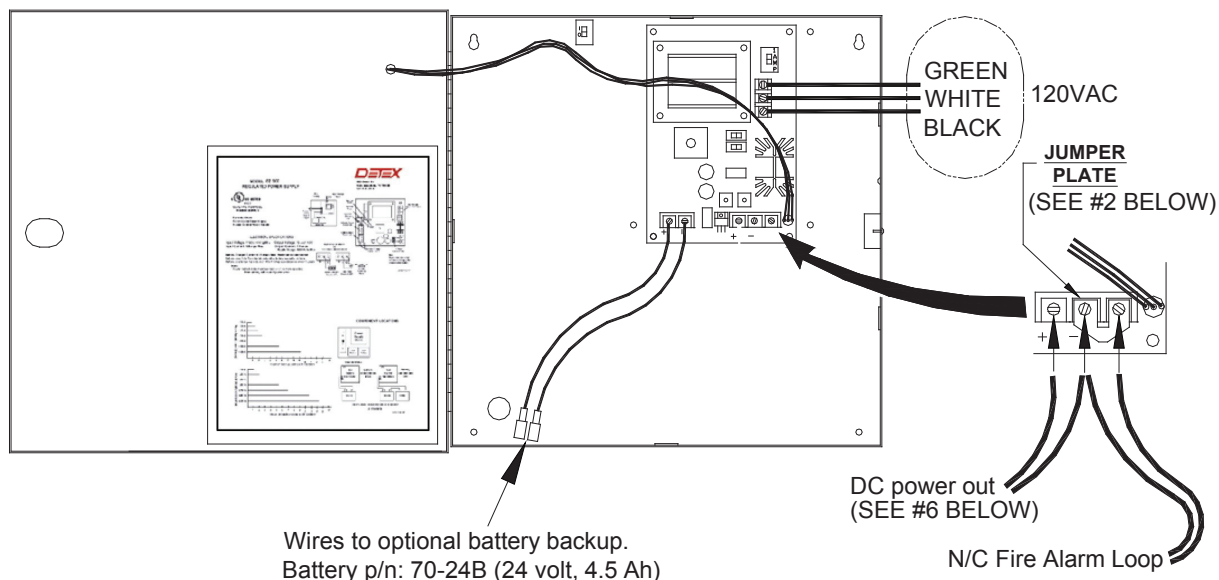


80-800 FILTERED AND REGULATED POWER SUPPLY
1.0 AMP @ 24 VOLTS DC



Optional Battery
p/n 70-24B (24 volt, 4.5 Ah)

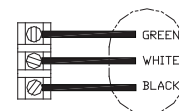
80-800 STANDARD POWER SUPPLY



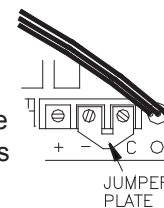
DETEX MODEL 80-800 STANDARD POWER SUPPLY CONNECTION DIAGRAM AND INSTRUCTIONS

The 80-800 is a regulated and filtered power supply. It has a selectable output voltage of either 12 or 24 volts DC. For Detex systems always select 24 volts DC. Refer to the drawing of the power supply for connections and adjustments. All connections and adjustment must be made with the power supply de-energized **AND** main power switch (item 3) in the OFF position.

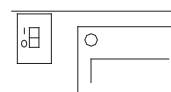
1: Main power connection. Observe correct terminal connections. Color code requires connections made per NFPA72. Leave circuit de-energized while installing and servicing unit.



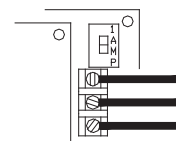
2: Fire loop control. The fire loop control is bypassed with a factory jumper unless the power supply is supplied with a delayed egress device. If not used with delayed egress device proceed to step 3. With delayed egress devices, the jumper plate is not provided, and connections to the building fire alarm system are required. Connect the building fire system closed relay to the (-) and C terminals. The power supply will operate normally as long as the connection between the (-) and (C) is maintained. When the building fire alarm system opens the circuit, the power supply de-energizes the output voltage. Fire loop uses 24 volt sense voltage. **Note: Each power supply should have an independent fire alarm relay.**



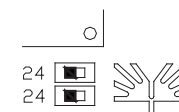
3: Main ON-OFF switch. This switch can be used to de-energize the power supply for service and adjustments. High voltage is still present inside the enclosure as long as the main power feed is energized, so caution should still be used when service is performed using this switch.



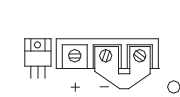
4: 1 Amp circuit breaker. This is intended to protect the device against high current loads and is part of the AC input circuit. It is a thermal device and can be reset once the cause of the overload is corrected.



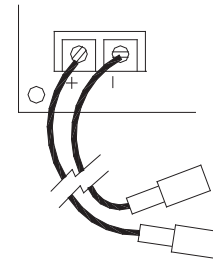
5: Output voltage select switches. These must both be set to the 24 volt position. They should be preset at the factory and require no adjustment. If they need adjustment, de-energize the unit first.



6: Output terminals. Outputs 24 volts at 1 amp maximum. The output is protected by a PTC thermally resettable fuse element. The fuse will reset once the cause of the overload is found and corrected. Observe correct polarity when making connections.



7: Optional battery backup connections. This output is intended for lead acid batteries and is also at 24 volts. Typically, two 12 volt batteries are connected in series for this application. Approximate battery life is charted on the label inside the cover of the power supply.



RECOMMENDED WIRE SIZES:

WIRE GAUGE	MAXIMUM LENGTH OF TWO CONDUCTOR CABLE
20 AWG	10 FEET
18 AWG	40 FEET

80-800 Power Supply with Detex Delayed Egress device

