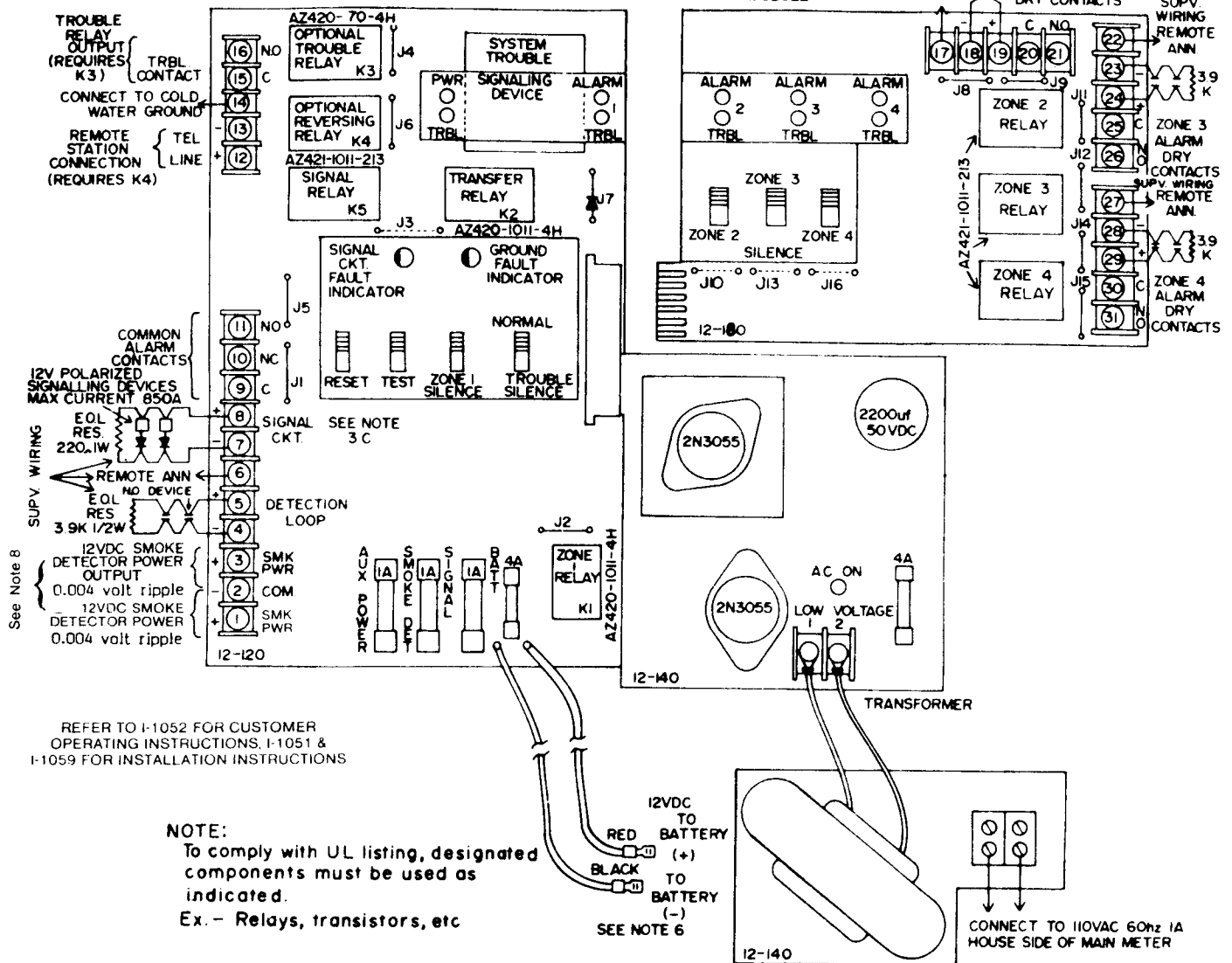


MANUAL FIRE ALARM CONNECTION  
 AUTOMATIC FIRE ALARM CONNECTION  
 WATERFLOW FIRE ALARM CONNECTION  
 SUPERVISORY FIRE ALARM CONNECTION  
 NON-CODED OR CODED  
 CLASS B WIRING  
 POLARITY REVERSAL  
 COMPLIES WITH NFPA-72A, 72C, 74

## MODEL TS-12 SERIES

DRAWING 12-100-1001A



### NOTES:

- RELAY CONTACT RATING  
 ALL RELAY DRY CONTACTS 28VDC AT 5A RESISTIVE
- INITIATING CIRCUIT-CLASS B SUPERVISED WIRING  
 A. MAXIMUM RESISTANCE IS 100 OHMS  
 B. INITIATING DEVICES-NORMALLY OPEN. MINIMUM CONTACT RATING 12VDC AT .05A  
 C. END-OF-LINE RESISTOR WILL BE 3900 OHMS, 1/2 WATT MINIMUM
- SIGNAL CIRCUIT-CLASS B SUPERVISED WIRING  
 A. MAXIMUM CURRENT DRAW IS .850 AMP  
 B. SIGNALLING DEVICES WILL BE 12 VOLT POLARIZED DEVICES  
 C. END-OF-LINE RESISTOR WILL BE 220 OHMS, 1 WATT MINIMUM
- REMOTE STATION OUTPUT (TEL-LINE) REQUIRES K4  
 A. MAXIMUM CURRENT TO OBTAIN 12VDC = .020A  
 B. MAXIMUM CURRENT LIMITED TO .240 AMP
- FUSE INFORMATION  
 AC-AGW4 SIGNAL-ASC 1 AUXILIARY-AGC-1  
 BAT-AGW4 SMOKE-AGC 1
- BATTERY INFORMATION  
 12 VOLT, 4.0 AH RECHARGEABLE SEALED LEAD ACID  
 12 VOLT, 6.0 AH RECHARGEABLE SEALED LEAD ACID  
 12 VOLT, 8.0 AH RECHARGEABLE SEALED LEAD ACID

MAX. ALLOWABLE CHARGING CURRENT .250A

### 7. JUMPER DEFINITION

- ZONE 1 CUT WHEN USING RZA
- ZONE 1 CUT WHEN USING CODED DEVICES
- ZONE 1 CONNECT WHEN USING ZONE 1 AS WATERFLOW ZONE
- CUT WHEN USING K3-K4 TO TRANSMIT TROUBLE SIGNAL TO REMOTE STATION
- CUT WHEN LATCHING "REVERSING RELAY" NOT DESIRED
- CUT IF ALARM SIGNAL NOT REQUIRED AT REMOTE STATION WHEN USING SYSTEM TEST SWITCH
- CUT CR19 WHEN USING DRY CELLS
- ZONE 2 CUT WHEN USING RZA
- ZONE 2 CUT WHEN USING CODED DEVICES
- ZONE 2 CONNECT WHEN USING ZONE 2 AS WATERFLOW ZONE
- ZONE 3 CUT WHEN USING RZA
- ZONE 3 CUT WHEN USING CODED DEVICES
- ZONE 3 CONNECT WHEN USING ZONE 3 AS WATERFLOW ZONE
- ZONE 4 CUT WHEN USING RZA
- ZONE 4 CUT WHEN USING CODED DEVICES
- ZONE 4 CONNECT WHEN USING ZONE 4 AS WATERFLOW ZONE

- MAX. ALLOWABLE CURRENT OF .225A IS AVAILABLE FOR ALL EXTERNAL DEVICES DRAWING CURRENT WHILE CONTROL PANEL IS IN ITS NORMAL SUPERVISORY CONDITION.
- FOR COMPLIANCE WITH NFPA 74, HOUSEHOLD FIRE WARNING SYSTEMS, THE TS-12 FIRE PANEL MUST BE USED IN CONJUNCTION WITH WHEELLOCK NO.32P-12 WARNING HORN.