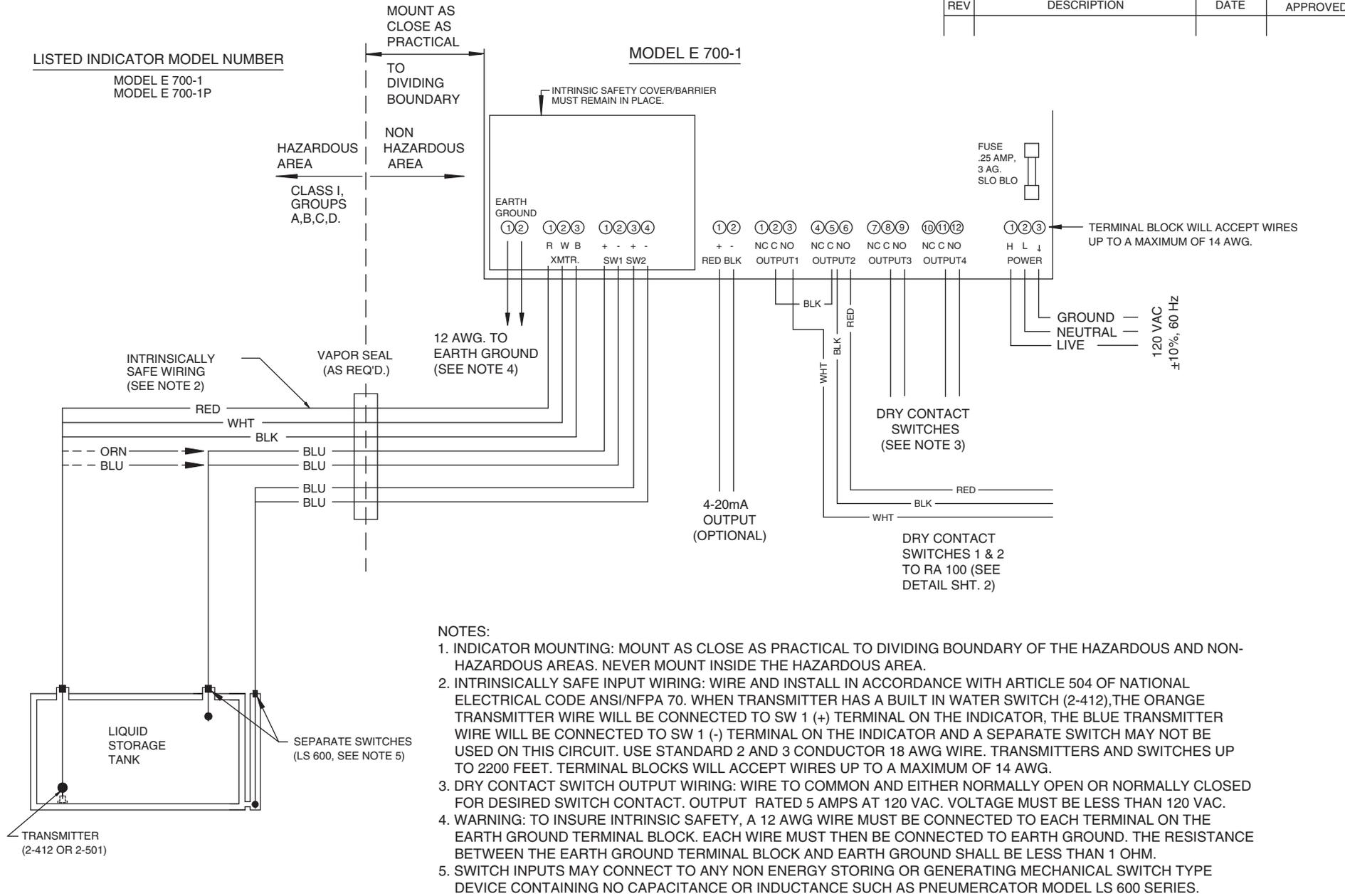


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

**LISTED INDICATOR MODEL NUMBER**

MODEL E 700-1  
MODEL E 700-1P

**MODEL E 700-1**

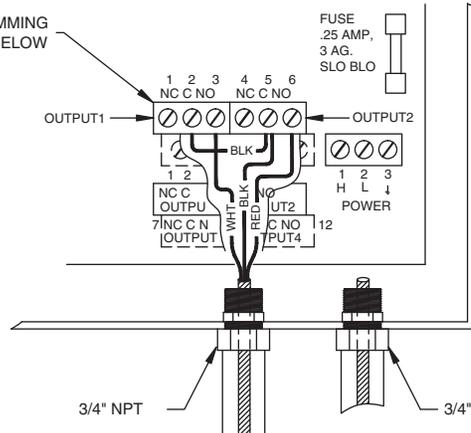


**NOTES:**

- INDICATOR MOUNTING: MOUNT AS CLOSE AS PRACTICAL TO DIVIDING BOUNDARY OF THE HAZARDOUS AND NON-HAZARDOUS AREAS. NEVER MOUNT INSIDE THE HAZARDOUS AREA.
- INTRINSICALLY SAFE INPUT WIRING: WIRE AND INSTALL IN ACCORDANCE WITH ARTICLE 504 OF NATIONAL ELECTRICAL CODE ANSI/NFPA 70. WHEN TRANSMITTER HAS A BUILT IN WATER SWITCH (2-412), THE ORANGE TRANSMITTER WIRE WILL BE CONNECTED TO SW 1 (+) TERMINAL ON THE INDICATOR, THE BLUE TRANSMITTER WIRE WILL BE CONNECTED TO SW 1 (-) TERMINAL ON THE INDICATOR AND A SEPARATE SWITCH MAY NOT BE USED ON THIS CIRCUIT. USE STANDARD 2 AND 3 CONDUCTOR 18 AWG WIRE. TRANSMITTERS AND SWITCHES UP TO 2200 FEET. TERMINAL BLOCKS WILL ACCEPT WIRES UP TO A MAXIMUM OF 14 AWG.
- DRY CONTACT SWITCH OUTPUT WIRING: WIRE TO COMMON AND EITHER NORMALLY OPEN OR NORMALLY CLOSED FOR DESIRED SWITCH CONTACT. OUTPUT RATED 5 AMPS AT 120 VAC. VOLTAGE MUST BE LESS THAN 120 VAC.
- WARNING: TO INSURE INTRINSIC SAFETY, A 12 AWG WIRE MUST BE CONNECTED TO EACH TERMINAL ON THE EARTH GROUND TERMINAL BLOCK. EACH WIRE MUST THEN BE CONNECTED TO EARTH GROUND. THE RESISTANCE BETWEEN THE EARTH GROUND TERMINAL BLOCK AND EARTH GROUND SHALL BE LESS THAN 1 OHM.
- SWITCH INPUTS MAY CONNECT TO ANY NON ENERGY STORING OR GENERATING MECHANICAL SWITCH TYPE DEVICE CONTAINING NO CAPACITANCE OR INDUCTANCE SUCH AS PNEUMERCATOR MODEL LS 600 SERIES.

PNEUMERCATOR COMPANY			
APPROVALS	DATE	INTRINSICALLY SAFE LOOP	
DRAWN R. KHARE	121698	MODEL E700-1 TO RA 100	
CHECKED		SIZE C	CAGE CODE 47876
ISSUED		DWG. NO. 50295	REV. -
DO NOT SCALE DRAWING	SCALE 1/1	SHEET 1 OF 2	

SEE PROGRAMMING INSTRUCTIONS BELOW



**MODEL E700-1  
DIGITAL LEVEL MONITOR**

3/4" NPT

3/4" NPT FOR POWER  
(SEE SHEET 1)

JUNCTION BOX (BY CUST.)  
MUST BE WATERTIGHT IF  
LOCATED OUTDOORS.

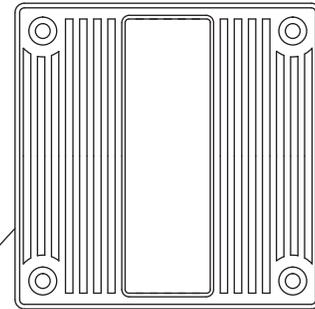
3/4" NPT

1/2" NPT

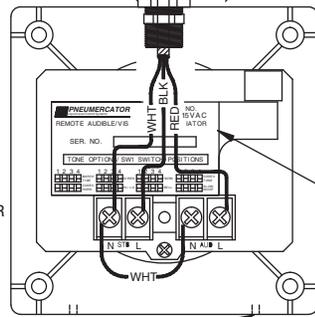
115 VAC POWER  
(DO NOT USE THE E700-1  
POWER AS THE SOURCE FOR  
POWERING THE RA 100)

1/2" NPT

**RA 100-115VAC REMOTE AUDIBLE/  
VISUAL ANNUNCIATOR**



CAUTION ON RA 100-115VAC:  
THIS SYSTEM IS NOT INTRINSICALLY  
SAFE OR EXPLOSION PROOF. DO NOT  
INSTALL INSIDE THE HAZARDOUS AREA.



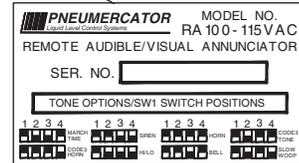
RA 100 MUST BE INSTALLED  
WITH THE DRIP HOLES LOCATED  
ON THE BOTTOM.

**PROGRAM RELAYS FOR RA100 ALARM**

F3521E - turns relay 2 on for high level alarm

F36201E - sets auto shut off for audible high level alarm for 1 minute.

FOR ADDITIONAL MINUTES SEE MANUAL PAGE 28.



**INTRINSICALLY SAFE LOOP  
MODEL E700-1 TO RA 100**

SIZE	CAGE CODE	DWG. NO.	REV.
C	47876	50295	-
SCALE	SHEET 2 OF 2		