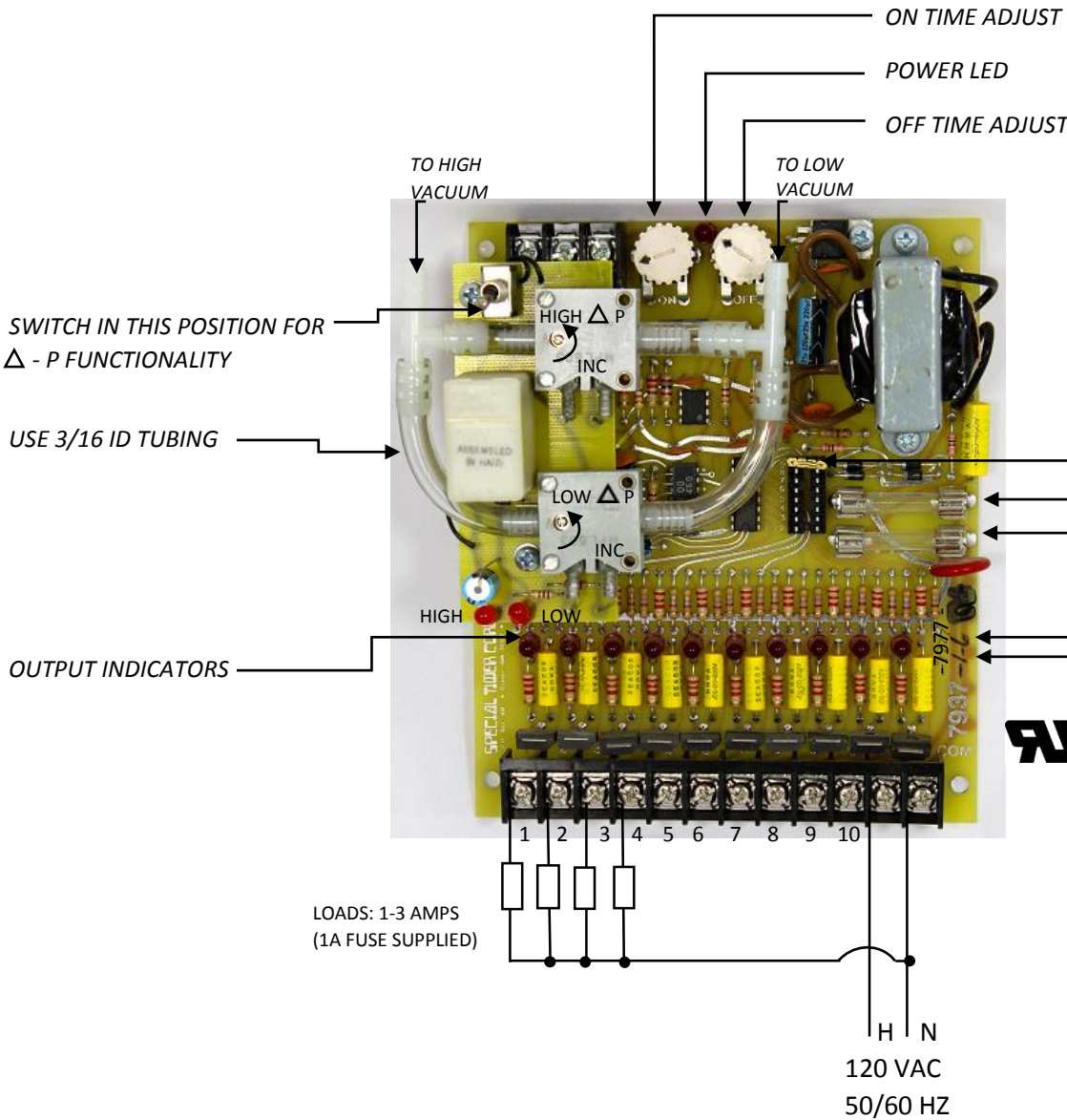


# MODEL 7937-7977 FIELD CONNECTION DIAGRAM



- JUMPER:**
- SHIPPED IN 9 OUTPUTS POSITION
  - MOVE JUMPER DOWN TO REDUCE # OF OUTPUTS
  - REMOVE JUMPER IF 10 OUTPUTS ARE REQUIRED

- LOAD FUSE 1 AMP  
FUSE 1 AMP
- EXAMPLE: 7937-7977-1-6
- 6 = OFF TIME RANGE (1-60 SECONDS)  
-1 = ON TIME RANGE (16-600 MILLISECONDS)

- RANGES AVAILABLE: -50 F TO 150 F**
- RANGE = 1" H2O TO 10" H2O
  - FACTORY PRESET TO 3" LOW & 6" HIGH
  - MAX PRESSURE 25 PSIG
  - DIAPHRAGM MATERIAL: TEFLON

- TYPICAL BULKHEAD FITTING:**
- PARKER 22 CABH-4-4

**DELTA - P FUNCTION:**

- AT LOW Δ - P TIMER STOPS AND HOLDS FOR NEXT HIGH SIGNAL
- AT HIGH Δ - P TIMER STARTS SEQUENCING AT PREVIOUSLY HELD OUTPUT
- WHEN LOW SWITCH OPERATES BOTH LED INDICATORS ILLUMINATE
- AT HIGH (START) ONLY HIGH LED IS LUMINATED
- AT STOP BOTH LED'S OFF

**DELTA P ADJUSTMENT INSTRUCTIONS:**

- TO ADJUST, APPLY DESIRED Δ-P TO HIGH VACUUM PORT AND ROTATE SET SCREW TO PROPER LED INDICATION
- LOW SETTING - BOTH LED "ON"
- HIGH SETTING - LOW LED "OFF", HIGH LED "ON"

**TIMER SEQUENCE:**

- No. 1 ON THEN No. 1 OFF, THEN No. 2 ON THEN No. 2 OFF, AND SO ON TO LAST OUTPUT, THEN BACK TO No. 1 AND CYCLE REPEATS
- ON TIME AND OFF TIME ARE INDEPENDENTLY ADJUSTABLE
- FOR AVAILABLE TIMES SEE TABLE AT RIGHT

**ON AND OFF TIME RANGE**

SYM	TIME RANGES
1	16 TO 600 MILLISECONDS
2	30 MILLISECONDS TO 1.2 SECONDS
3	.1 TO 6 SECONDS
4	.2 TO 12 SECONDS
5	.3 TO 20 SECONDS
6	1 TO 60 SECONDS
7	2 SECONDS TO 2 MINUTES
8	15 SECONDS TO 10 MINUTES
9	.5 TO 20 MINUTES
10	1 TO 45 MINUTES
11	2 MINUTES TO 1.5 HOURS
12	3 MINUTES TO 2 HOURS



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