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ACCUSTAT™ Room Pressure Monitor Specifications

ACCUSTAT Room Pressure Monitors Stationary Model

ELECTRICAL DATA

- Operating Power: 12V
- Minimum / Maximum voltage: 12V to 16V
- Current Draw: 100 mA
- Maximum Draw: <2W

MONITORING DATA

- Microswitch Pressure Transducer
- Pressure Range: -0.100 to +0.100 in. Water
- Display Update: 1.0 Second
- Maximum Over Pressure: 5.0 PSI
- Accuracy of Reading: 1% F.S.

MECHANICAL DATA

- LCD Display: 1 Line
- LCD Character Height: 0.5"
- Cabinet: Stainless Steel
- Dimensions: 7.367" (W) x 3.25" (H) x 2.25" (D)
- Weight: 22 oz.
- Mounting: Surface/Wall Mount
- Operating Temperatures: 55 - 105°F (13°C to 41°C)
- Operating Humidity: 10% to 94% RH Non-condensing
- Pressure Range: -0.001 to +0.999WG
- Sampling Hole Requirement: 1/4 Inch Hole needed for Sampling
- Tube into Room, Ambient Sensed Directly from Monitor

OPERATION DATA

- Bi-colored Visual Alarm LED: Green Normal / Red Alarm Mode
- Visual Alarm: Immediate Upon Reaching Setpoint
- Audible Alarm: One Minute Delay
- Alarm Setpoint Storage: Non-Volatile Memory
- Alarm Setpoint: User Determined Adjusted Form Front Panel
- Alarm Calibration: From Front Panel
- Accuracy of Alarm Output: $\pm 1\%$ of Setpoint
- Standard Range: ± 0.1 Inches of Water (or ± 25 Pascals)
- Resolution: 0.001" of Water (or 0.1 Pascals)
- Alarm Output: SPDT Relay. Contacts Rated at 1A at 30M VDC or 120 VAC Resistive
- Analog Outputs: 0-5VDC, 2.5V at Zero Pressure 2mA max
0-10VDC, 5V at Zero Pressure 2mA max
Max Loop Resistance is 580 OHMS
- Operating Medium: Air or Non-Corrosive, Non-Explosive Gas
- Tamperproof Controls: On/Off Keypad Switch

ACCUSTAT P-1 Portable Model

Identical to Standard ACCUSTAT, but Includes:

- NiMH Battery Pack for up to 19 Hours of Continuous Operation
- Battery Chip to Avoid Overcharging
- Easy Carrying Handle
- Low Battery Indication on Display
- Light Weight: 5 Lbs.

NEG. PRESSURE
PORT

SPAN ADJ.

* ZERO ADJ.

ON / OFF
SWITCH

ALARM CONTROL

1 FOR NEG. PRES.
2

1 FOR POS. PRES.
2

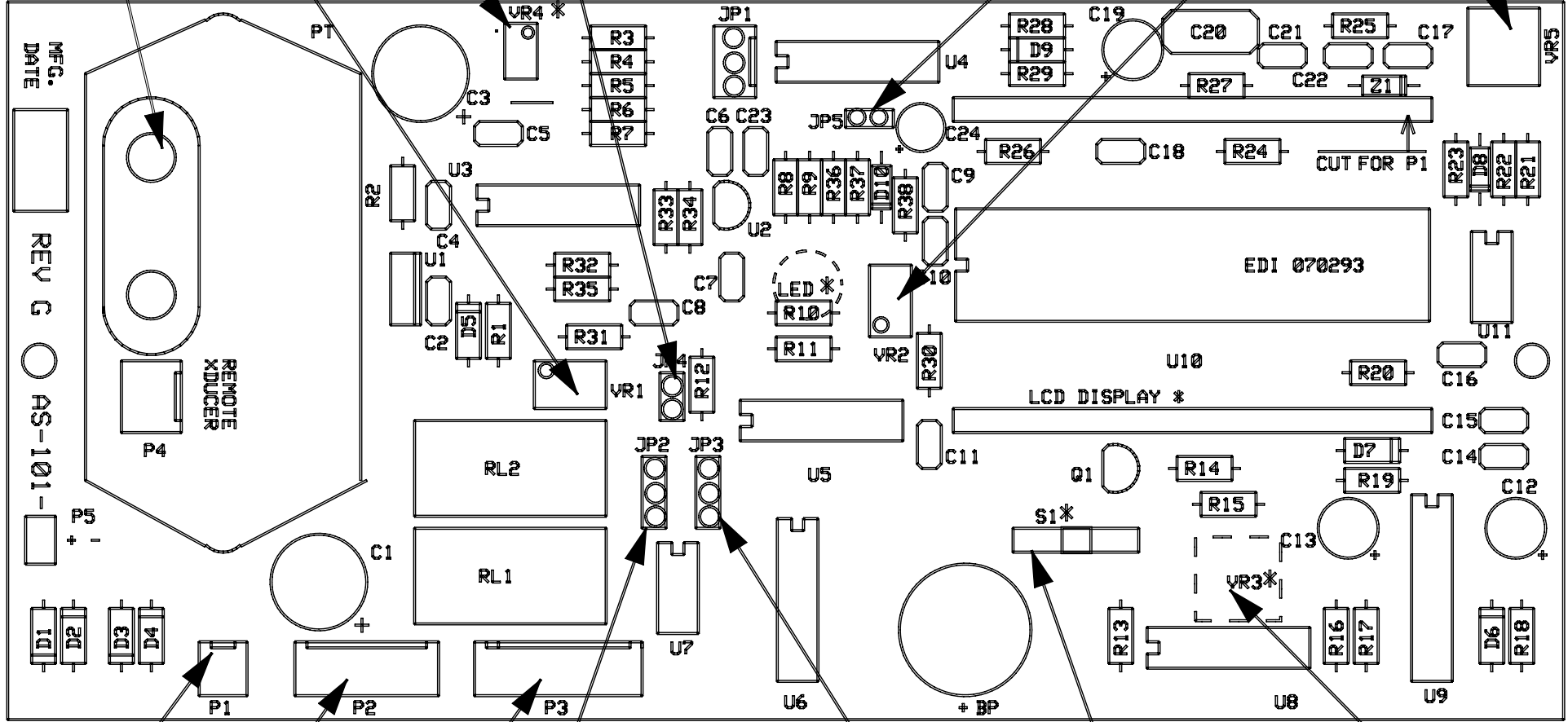
ALARM LED
FLASH MODE

FLASH

STEADY

P-1 USE

METER ADJ.
(FACTORY ONLY)



POWER IN

BLOWER
CONTROL

REMOTE
ALARM

ALARM OUTPUT
CONTROL

BLOWER
CONTROL

* MODE SWITCH
3-POSITIONS:

LEFT- ALM SET POINT
MIDDLE- PRES READING (ALM QUIET)
RIGHT- PRES READING (ALM AUDIBLE)

* INDICATES COMPONENT
ON THE OPPOSITE SIDE
OF THE PWB

1 FAILSAFE
2

1 DIRECT
2

1 FAILSAFE
2

1 DIRECT
2