

FLOW
LEVEL
PRESSURE
ANALYTICAL
TEMPERATURE
INSTRUMENTATION
PASTEURIZATION CONTROLS

## AJ-300 Recorder/Recording Controller

- 12" chart for maximum readability and accuracy
- Nema 4X Case withstands repeated washdowns, high humidity
- Modular relay and 4-20mA output options
- Universal, field selectable input type
- Simple Keypad Programming
- 3 Year Warranty

The new AJ-300 family of recorders and recording controllers is designed specifically for sanitary fluid processing applications. Available in single or dual pen versions, these units record on the largest charts in the industry for maximum resolution and readability, easily meeting all health-code requirements. Housed in a NEMA 4X enclosure, the unit withstands high humidity environments and frequent

"wash-downs". The case is designed for surface or panel mounting.

Universal inputs are factory or field programmable via the front keypad using a user-friendly menu. Relay and 4-20mA outputs are modular for maximum cost effectiveness. A 24Vdc loop supply is available which powers one or two transmitters. Of course, the 4-20mA outputs are fully isolated to insure freedom

from ground loop problems when interfacing with additional instrumentation.

Either or both pens can be specified with full PID control including auto/manual control, and remote setpoint capability.

For virtually any one or two pen application, the AJ-300 provides the optimum solution. Combined with Anderson's sanitary sensors and applications expertise, it's the only solution you'll need.



## **Specifications**

0-55°C (32° to 131°F) (operating) Ambient Temperature:

-40 to 65°C (-40° to 149°F)(storage)

Humidity: 0-100% RH, non-condensing

0.5 Hz to 100 Hz at 0.2 G Vibration:

Voltage: 115 VAC standard, 115/230 VAC

switch selectable option

Frequency: 50/60 Hz Power: 25 VA max.

Case/Cover Material: Foam injected Noryl, Lexan window

Mounting: Wall/Panel standard: optional pipe

mount

12.7" X 12.7" Panel Cut-out:

Overall dimensions: 16.77" H X 14.12" W X 5.25"

Panel depth (2.5" panel protrusion)

Weight: **UL/CUL** listed Agency Approvals:

**Enclosure Rating:** NEMA 4X

Programmable for 100 ohm, 3-wire Inputs: RTD; 4-20mA; 0-5 Volt; 1-5 Volt; and

J,K,E,T,R,S,B, and N thermocouples

Pen Type: Disposable felt-tip pens

24 Volt, regulated

#1 red, #2 green

Recording Accuracy: 0.5% of chart span

Chart Rotation: 0.1 to 999.9 hours

.56" high LED's; 1 per pen Displays:

Relay Outputs: Up to four outputs (2 per pen max.) SPST, 5 amps at 115 VAC, resistive.

**Current Outputs:** Up to (2) 4-20 mA isolated outputs; 0.25% of span accuracy; 650 ohms

max. loop resistance.

24 VDC, 40 mA minimum, can drive Transmitter Power Supply:

one or two inputs.

Event Pen: Optional, 110 Volt, externally triggered.

Internal trigger via one optional relay

output.

1 to 3000 units Proportional Band:

-1500 to 1500 units Manual Reset:

0.0 to 100.0 repeats/minute Auto Reset (Integral):

Rate (Derivative): 0.0 to 10.0 minutes

Control Action: Field selectable, direct or reverse

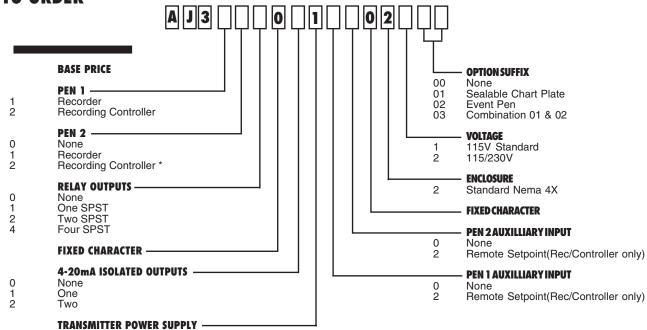
Integral disabled when process is Anti-Reset Wind-Up:

outside proportional band.

Auto/Manual: "Bumpless" Transfer

Warranty: 3 years

## **HOW TO ORDER**



<sup>\*</sup> Pen 2 available as recording controller, only if Pen 1 is recording controller.

