

### CON2000-701

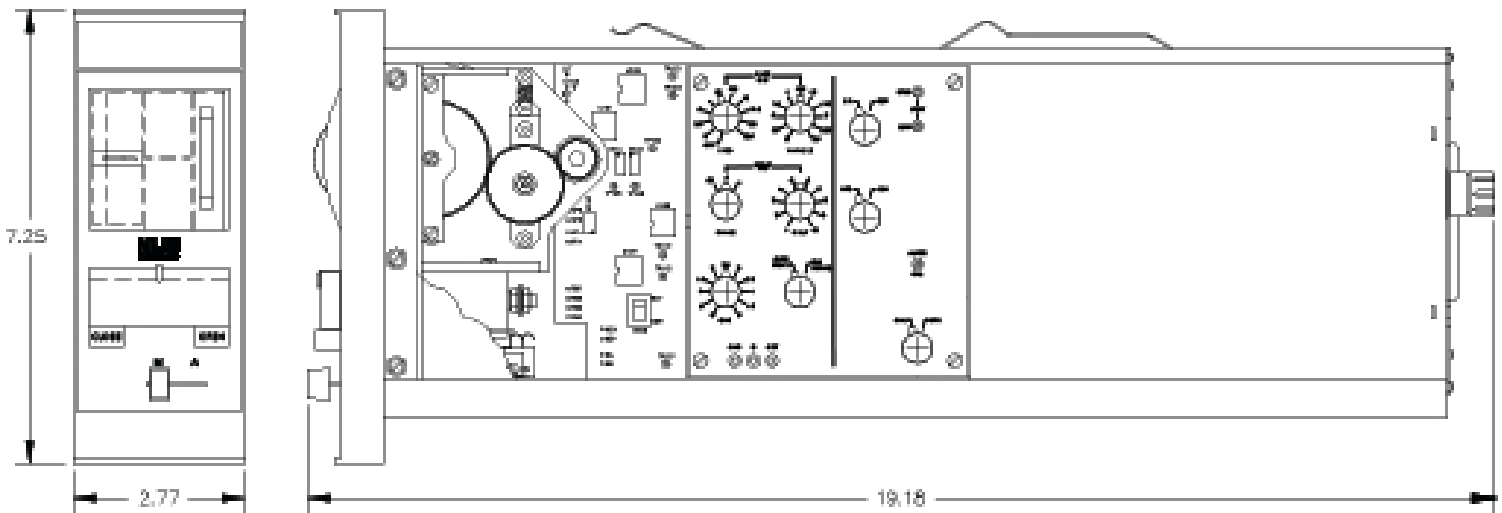
The CON2000-701 Basic Controller replaces the obsolete Bailey 701 basic controller while retaining the functions of the Bailey controller, and is available in a Nuclear Qualified model.

The CON2000-701 is used to control a process variable at a desired value that is set on a local set-point scale or determined by a cascade set-point signal.

The CON2000-701 output controls a final control element such as a valve actuator, and is furnished either as a two-mode (proportional and reset), or three-mode (proportional, reset, and rate) model.



CON2000-701



For more information please request a  
**Basic Controller Operation & Maintenance Manual.**

# NUSI 2000 Series

## Blind Controller

### SPECIFICATIONS

Input Signal:	1 V to 5 Vdc for process variable and cascade input. Input resistance exceeds 1 M $\Omega$
Output Signal:	Voltage: 1 V to 5 Vdc into > 250 k $\Omega$ Current: 4 mA to 20 mA dc into 0 $\Omega$ to 750 $\Omega$
Accuracy (at 24 Vdc and 80 °F):	Offset: $\pm 0.2\%$ Set Point: $\pm 0.3\%$
Manual Response:	Dual Speed Slow: 50 seconds (nominal) for 100% output span Fast: 5 seconds (nominal) for 100% output span
Manual Mode	
Output Stability:	Less than 0.1% per hour
Adjustments:	Side panel X1-X10 Switch at GAIN X1: Gain: 0.05 to 5; Reset (R/M): 0.1 to 100; Rate (minimum): 0.01 to 25 Side panel X1-X10 Switch at GAIN X10: Gain: 0.5 to 50; Reset (R/M): 0.01 to 10; Rate (minimum): 0.01 to 25 Output Limits: Low: 0% to 40% of span; High: 60% to 100% of span
Frequency Response:	Jumper selectable: 1 Hz or 20 Hz nominal Optional: Jumper selectable, 1 Hz or 20 Hz nominal or continuously adjustable 0.1 Hz, 2.5 Hz to 20 Hz nominal
ALARM (Optional):	Deviation or process variable actuated Alarm Accuracy: 1% Alarm Point Deadband: $\pm 0.75\%$ nominal Alarm Contact Rating 2 A @ 115 V ac or 24 Vdc (non-inductive)
Power Supply Voltage:	0.36 A nominal @ 24 Vdc $\pm 2$ Vdc; 1 A fuse
Operating Influences:	Supply Voltage (24 Vdc $\pm 2$ Vdc); Offset: $\pm 0.3\%$ ; Set Point: $\pm 0.2\%$
Ambient Temperature:	40 °F to 120 °F (5 °C to 49 °C) (normal operation) 0 °F to 140 °F (-18 °C to 60 °C) (operative limits) 0 °F to 120 °F (-18 °C to 49 °C) (storage)
EMI/RFI Protection:	EPRI Report TR-102323, Rev. 2
Seismic Qualification:	NUS Instruments Composite Required Response Spectra (RRS)
Dimensions:	2.8 in x 7.3 in x 19.0 in
Weight:	5 lb
Mounting:	Bailey Type 762 panel-mounted shelf
Legend:	Translucent legend plate at top of module

#### CONTACT INFORMATION:

Curtiss-Wright Nuclear Division / I&C Products  
1350 Whitewater Drive, Idaho Falls, ID, 83402 T: (208) 497.3333