

# MULTI-RANGE CONDUCTIVITY CONTROLLER MODEL 3101

## FEATURES:

- Programmable wide measurement range
- Automatic temperature compensation
- Analog output
- Dual heavy duty output relays
- High 50/60 Hz noise rejection
- 115 VAC, 230 VAC operations
- Adjustable cell constant
- Front panel set point adjustment
- 0.56" high efficient LED display
- Heat cycled 100 hours before shipment
- Aluminum 1/8 DIN housing



# SPECIFICATIONS

## INPUT

Range and resolution  
(Internal DIP switch selectable)

Range	Resolution
0-200 mS/CM	1 mS/CM
0-99.9 mS/CM	0.1 mS/CM
0-9.99 mS/CM	0.01 mS/CM
0-999 uS/CM	1 uS/CM

## ACCURACY

± 1% of span ± 1 digit

## AUTOMATIC TEMPERATURE COMPENSATION

5° to 55°C, 2% /°C

## CELL CONSTANT

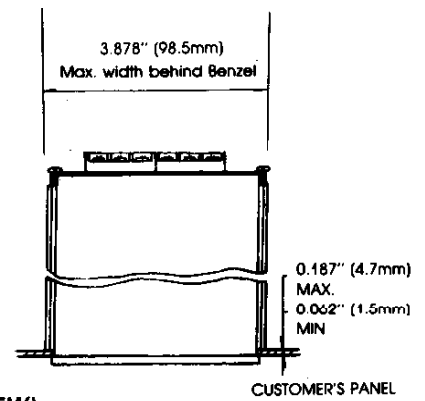
1.0  
Front panel cell constant adjustment control

## CONTROLLER

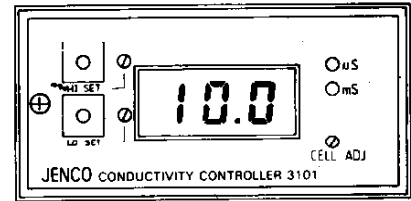
Range	Over 0 to 900 count
Control action	ON/OFF
Output relay	8A at 115VAC, 4A at 230VAC resistive load

## GENERAL

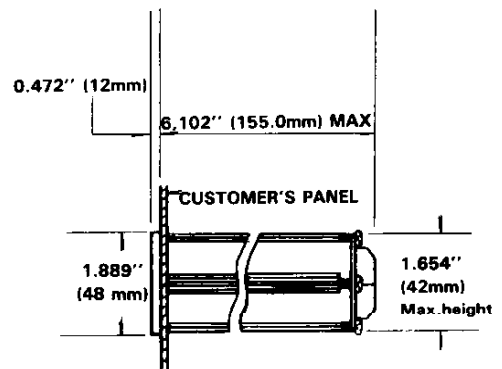
Recorder output	1 mV/LSD, ± 0.5% ± 1 mV
Decimal point	Internal DIP switch selectable
Readout	0.56" high efficient LED
Operating temperature	0 to 50 degree C
Power source	115 VAC, 230VAC ± 15%, 50/60 Hz
Dimensions	96 mm x 48 mm x 167 mm
Weight	0.69kg



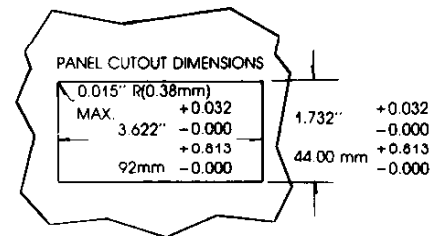
(TOP VIEW)



(FRONT VIEW)



(SIDE VIEW)



(PANEL CUTOUT)