



# AP-IG WATER MONITOR INDICATOR/CONTROLLER SYSTEM

McNab, Incorporated

## DESCRIPTION

The Aqua Purometer IG Water Monitor Indicator and Control System is used to monitor the purity of water by means of conductance measurements. It may be installed in water tanks or piping systems and can be used to monitor a great variety of water treatment such as distillation plants.

Meter values reflecting water purity level are continuously indicated on the panel meter. The scale on the panel meter may be changed to indicate chemical content, or other special option. An adjustable limit of allowable impurity is included in the electronic monitor circuit (alarm set point). The alarm set point is set by the operator to the desired level. If the water impurity level rises above this preset limit, the controller relay in the monitor circuit is de-energized, causing the ALARM indicator on the panel to light and/or a bell (where included) to sound, and all relay contact to switch state. A dump valve may be activated in alarm.



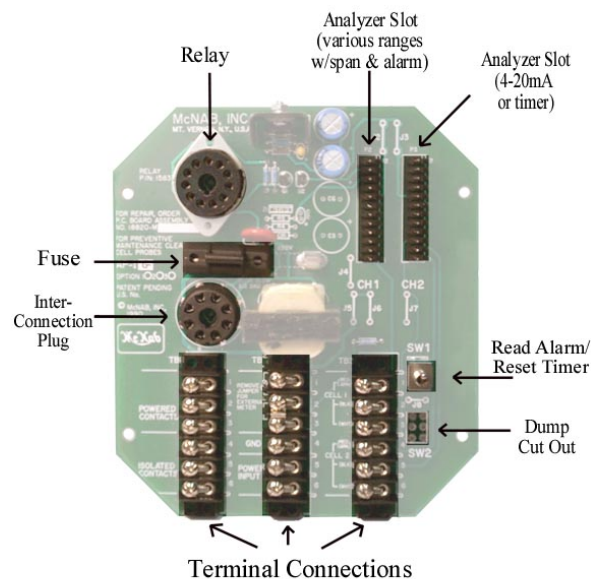
## SPECIAL FEATURES

1. NEMA 12 (Indoor)
2. 117/220 VAC 48 to 62 Hz
3. Semi log presentation
4. Smoke/Fire-resistant CRES Enclosure
5. Mode semi log
6. Automatic self zero
7. For either coaxial cell
8. Meter displayed set point
9. 0-1 mA remote output
10. Wall mounting
11. Door hinged and gasketed
12. Internal adjustable controls
13. Dual failsafe alarm contacts
14. Cell test module.

## TECHNICAL DATA

Units of Measure and Range	0 – 10 GPG and 0 –100 PPM of sea salt
Input Signal Salinity Cell	See Quotation
Input Signal Temperature	
Temperature Timer	Channel 2
Mounting Dimensions Enclosure	8-1/4 H, 7-1/8 W, 5-5/8 D (in.)
Outputs	0 – 1 mA semi log
Power Requirements	117/220 VAC 48 – 62 Hz

## ENCLOSURE



## MASTERBOARD

20 North MacQuesten Parkway ♦ Mount Vernon, New York ♦ 10504 U.S.A.  
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Cell/Senso/Valve	See Quotation
Temperature Sensor	T-6 1"NPT
Pipe Pressure Normal/Max (Typical)	Normal as 180°F (see cell/valve specifications)
Pipe connection size	1" NPT, 1/4" NPT (see valve specifications)
Sensor Wetted Material	Approved FDA Plastic, Nobel Metal Electrodes
Cable Length	Typically 6ft. (special order – greater length)
Instruction Book	512

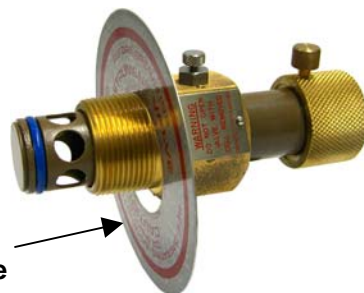
## TYPICAL CELLS AND VALVES



Gate valve cell



Linear cell



Linear valve L-2



Linear valve L-1

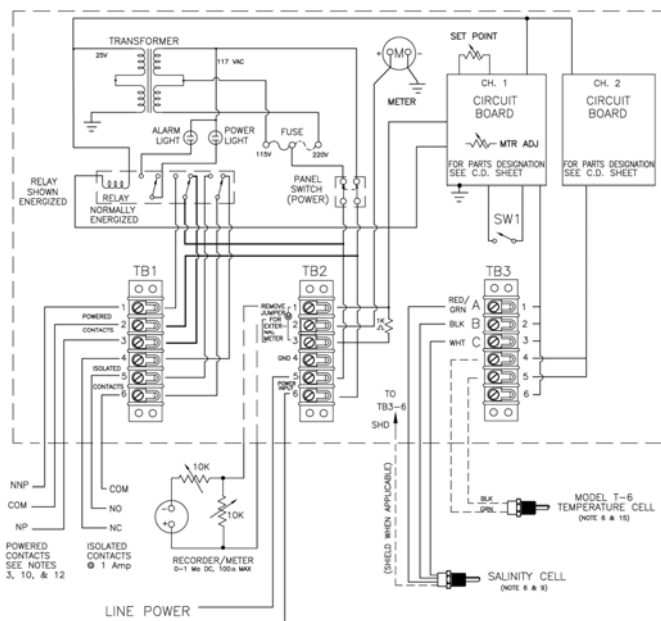


Gate Valve



Ball Valve

## CONNECTIONS



Identification  
warning guide