



Data Sheet

Pathfinder Model TSC-20 Conductivity Controller



Description

The Model, TSC-20 is a programmable controller that accepts a Conductivity electrode as an input. Output is; one on-off control relay; this output can be an SSR drive pulse, or a 3A mechanical contacts The output can be programmed to operate above or below the set point; Optional programmable alarms can be added to alarm high, low, zone, with absolute or deviation set points. Optional RS 485(Modbus Protocol) output monitors up to 31 controllers and comes with free windows based software Optional digital input for remote set point, timer In addition to the programmable outputs and alarms there is a programmable on delay or off delay timer that works in conjunction with the output or alarm relays. The power source is from 100 to 240 VAC, 50/ 60Hz free voltage there is no need to change connections for different voltages. The controller is programmable from the front panel via 3 switches, and calibration is done using two front panel adjustment pots. The front panel is a 1/16 DIN, NEMA 4X rated and mounting hardware is provided.

Features

- *Field range programmable
- *1/16 DIN Panel mount,
- *NEMA 4X panel
- *UL, CSA, CE approvals
- *Dual Display, Conductivity & Setpoint
- *Universal power supply, 100-240, 50/60Hz
- *Optional: Alarm, RS 485, Timer function,
- *Remote set point

Specifications:

Inputs.....Conductivity electrode
Range..... 0 to 10uS up to 0 to 75 mS
Control outputs..... (1) 3A SPDT relay, or voltage pulse
Alarm outputs (option).....(up to 2) 1A SPST relay
Front panel.....NEMA-4X rated
Enclosure.....1/16DIN panel mount (48x 48 x 95.8mm)
Power.....100 to 240vac 50/60 Hz
Programmable timer.....0 to 99h59m
Indicating Accuracy..... ..+2% of Fullscale + 1 digit
ATC.....Automatic 0-50 deg C

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