

## Extech 1/16 DIN pH Controller


**48PH**

- Dual Display with High/ Low relay outputs
- High and low set point adjustments on front panel
- Two independent relays for on/ off control to activate alarms, valves, pumps or other equipment
- Front panel indicators for HIGH/ LOW alarm status
- Bright dual displays of pH (red LEDs) and temperature (green LEDs)
- Compact 1/16 DIN size saves panel space
- Automatic Temperature Compensation (ATC) provided using electrode assemblies with Pt100 ohm sensors (see Self-Cleaning pH Electrode Kits)
- EEPROM memory protects settings in case of power loss
- Rear screw terminals for power, 2 sets of relays, Pt100 ohm temperature input, and BNC connector for pH input
- Optional NEMA-4X gasketed lens cover

### SPECIFICATIONS

Ranges:	0 to 14 pH and 0 to 100°C
Dual Relay Outputs:	SPDT, 115 VAC, 3A
Temp. Compensation:	Automatic 0-100°C via Pt 100Ω for pH
Resolution & Accuracy:	0.01pH, 0.1°C
Deadband:	0.00 to 2.55 pH adjustable
Panel Cutout (1/16 DIN):	1.77" x 1.77" (45x45mm). Depth 4.7" (94mm) Panel mounting brackets included
Power:	80 to 250VAC, 50/60Hz

### ORDERING INFORMATION

48PH	pH Controller, 1/16 DIN
404216	NEMA-4X Lens Cover, 1/16 DIN

#### Accessories

Self Cleaning Electrode Kits (includes electrode, cable, mounting assembly with ATC sensor)

67S10A	Submersible ATC pH Kit 10'
67S25A	Submersible ATC pH Kit 25'
67B10A	In-Line/Bypass ATC pH Kit 10'
67b25A	In-Line/Bypass ATC pH Kit 25'

## Newport 1/16 DIN Autotune Temperature/Process Controller

- High Accuracy  $\pm 0.5^\circ\text{C}$ , 0.03% Rdg.
- Extended 5-Year Warranty
- Universal Inputs
- Relay, SSR, DC Pulse Outputs
- Ramp to Setpoint
- Universal Power Supply, 90–250 VAC or VDC
- Dual Output and Dual Alarm
- Optional RS-232, RS-485, Isolated Analog Output or Remote Setpoint


**ICN77**

### SPECIFICATIONS

#### Input

Input Types:	Thermocouple, RTD, analog voltage, analog current
Thermocouples:	(J, K, T, E, R, S, B, C, N, and J DIN)
Accuracy:	$\pm 0.5^\circ\text{C}$ temp; 0.03% rdg. process

### ORDERING INFORMATION

To Order—Insert Number Code for Each Letter to Select Catalog Number.  
Order Example: ICN77-5-3-2-A2

**A** - **B** - **C** - **D** - **E** - **F**

<b>A</b>	Basic Unit
ICN77	1/16 DIN Controller
<b>B</b>	Configuration
5	NEMA-4/IP65 Face with DIN Cutout
R5	Square Bezel with 1 3/4" Round Cutout
<b>C</b>	Primary Output
2	SSR (1A @ 120/240 VAC)
3	SPDT Relay (5A @ 120 VAC)
4	Pulsed 0–10 VDC @ 20 mA Max
5	Non-isolated 1–10V or 0–20 mA
<b>D</b>	Second Output
0	None
2	SSR (1A @ 120/240 VAC)
3	SPDT Relay (5A @ 120 VAC)
4	Pulsed 0–10 VDC @ 20 mA Max
<b>E</b>	Options
A2	Second Alarm Relay
C2	Isolated RS-232
C4	Isolated RS-485
PV	Isolated Analog Output
RSP	Remote Setpoint
<b>F</b>	Optional Power—Include Only if Required
DC	10–34 VAC/VDC Power

### ORDERING INFORMATION—ACCESSORIES

SPC-116-S	Splash-Proof Cover for 1/16 DIN Controllers
TP4	Trim Plate Adapter to Install 1/16 DIN Meter in Existing 1/4 DIN Panel Cutout
TP6	Trim Plate Adapter to Install 1/16 DIN Meter in Existing 1/8 DIN Panel Cutout