

# Hawk 3 Temperature Advanced Digital Panel Meter/Controller



- All parameters set from easy to understand front panel access
- One, two or four 5-amp relays optional
- 7 segment 4 digit red LED
- Five user-selectable brightness levels
- Activated set point indicators on display
- Screw terminals for easy installation
- 1/8 DIN, shallow depth case, 3.24"
- Min/Max and password lockout
- 12 or 24 DCV power supply output optional
- 4-20mA or 0-10 DCV analog retransmission optional



## General specifications:

Display: 7-segment, red LED  
 Quantity: 4  
 Height: 0.56" (14.2 mm)  
 Decimal Point: 4 position, user programmable  
 Brightness: 5 settings, user programmable  
 Overrange: Display flashes "EEEE" indicating Maximum Value Exceeded  
 Underrange: Display flashes "-EEEE" indicating Minimum Value Exceeded  
 Alarm Indicators: 4 LED indicators for up to four independent setpoints  
 Sensor Break: Display reads EEEE

## Power Requirements:

AC: 85 to 250 ACV/120ACV @ 10VA  
 DC: 9-36 DCV @ 10VA

## Accuracy @ 25°C as percent of reading

Sensor Type	Accuracy	Temperature Range
RTD Pt 100	0.2% ± 2 counts	-200°C to +200°C
J	0.2% ± 2 counts	-100°C to +760°C
K	0.2% ± 2 counts	-200°C to +1250°C
E	0.2% ± 2 counts	-100°C to +800°C
T	0.2% ± 2 counts	-200°C to +400°C

## Environmental

Operating Temp: 0° to +50° C  
 Storage Temp: -10° to +60° C  
 Relative Humidity: <80%  
 Ambient Temp: 25° C  
 Temperature Drift: 100 ppm/°C±0.05dgt/°C  
 Warm-up Time: 10 minutes  
 Noise Rejection:  
 NMRR: 60 dB @ 50-60 Hz  
 CMRR: 100 dB @ 50-60 Hz

## A to D Conversion

Technique: Successive approximation with oversampling  
 Sample Rate: 10 conversions per second  
 Display Rate: User programmable from 1/minute – 8/second

## Mechanical

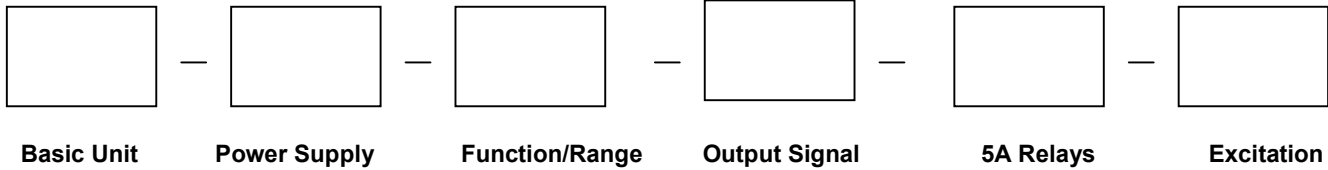
Depth: 3.24" (82.3 mm) behind panel  
 Bezel: 3.9" x 2.0" x 0.52" (99 mm x 51 mm x 13.2 mm)  
 Panel Cutout: 3.62" x 1.77" (92 mm x 45 mm) 1/8 DIN  
 Case Material: Flame Retardant ABS  
 Weight: 10 oz. (283.5 g)

Order Information on back side of flyer

# Ordering Information

**Make a selection from each option to build the part number.**

Example: H340-4-93-1-4-0 4-digit, 85-250 VAC power, RTD input, 4-20mA output signal, 4 relays, no excitation



### Basic Unit

H340    4 digit, Red LED

### Power Supply

1        120 ACV  
3        9-36 DCV  
4        85-250 ACV

### Function/Range

91       J Thermocouple  
92       K Thermocouple  
93       RTD, Pt100, 3 wire  
94       E Thermocouple  
95       T Thermocouple

### Output

0        None  
1        4-20 DCmA  
2        0-10 DCV

### 5A Relays

0        None  
1        One  
2        Two  
4        Four

### Excitation

0        None  
1        12 DCV  
2        24 DCV