

# Hoffman|Controls

## Calibration Curve

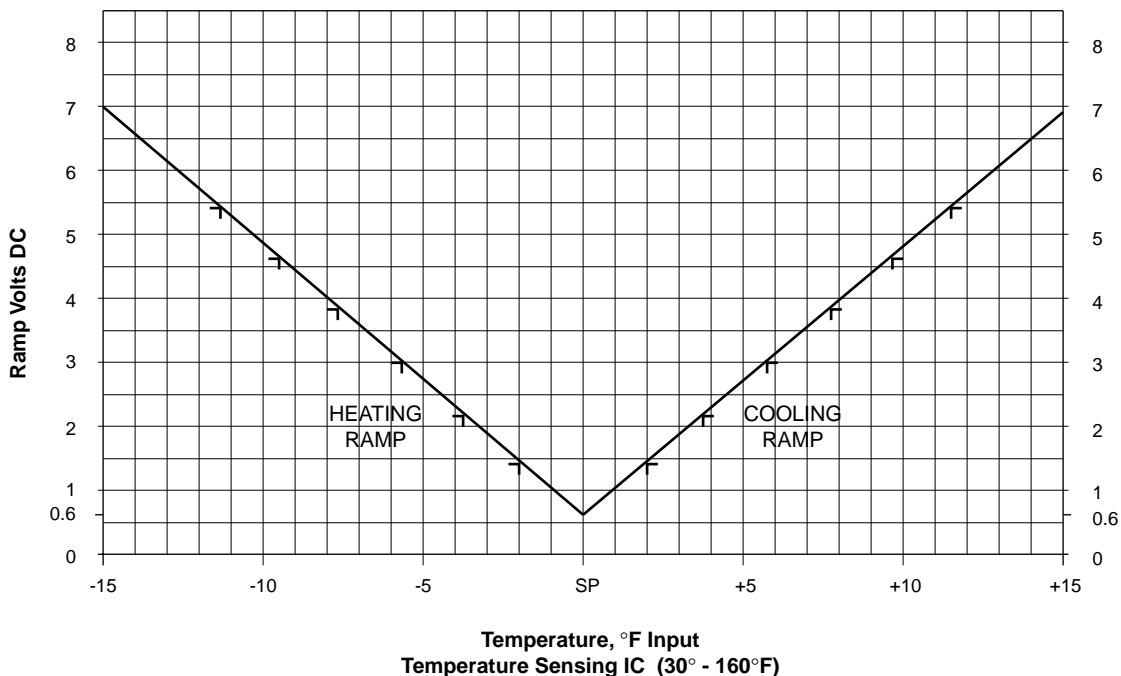
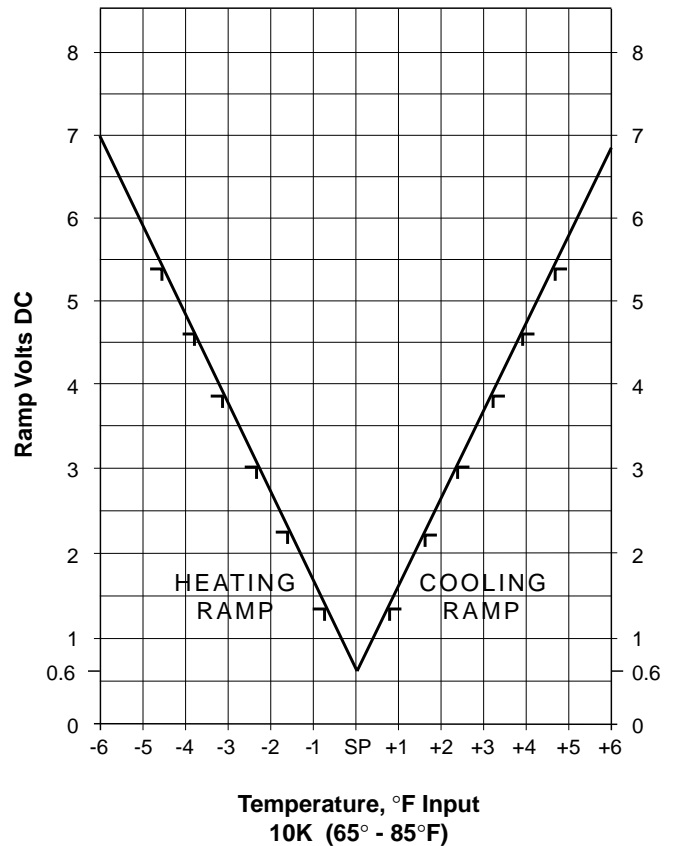
## 744-HC and 744-HCP Series Step Controllers

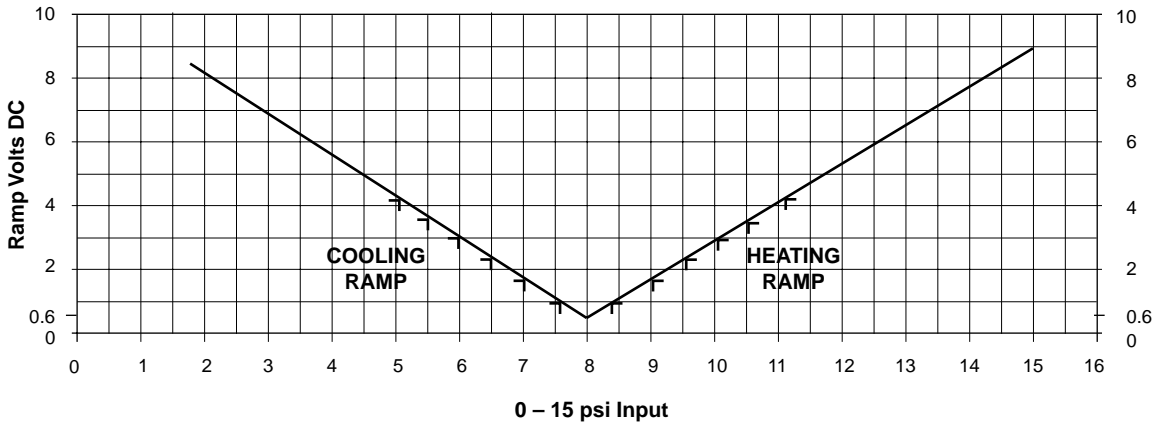
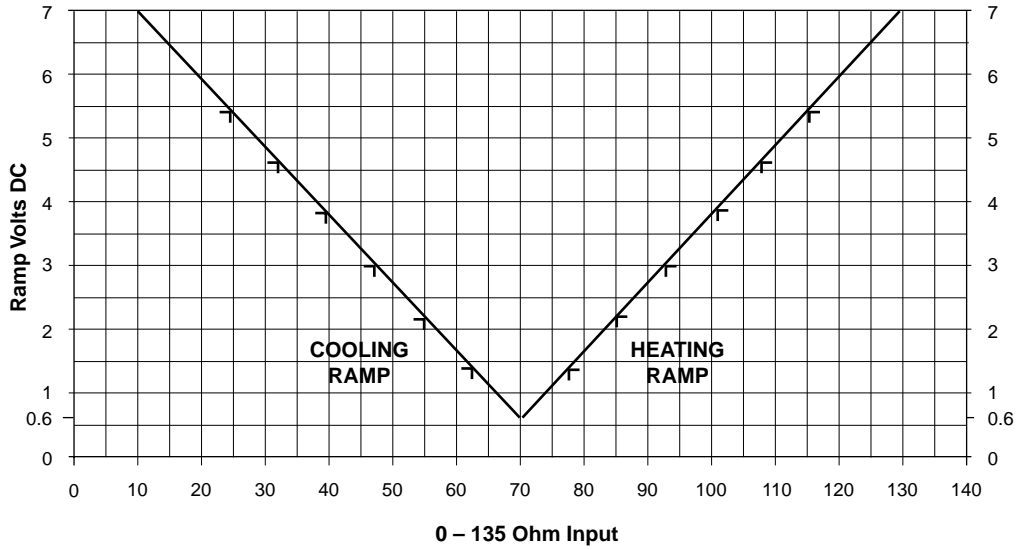
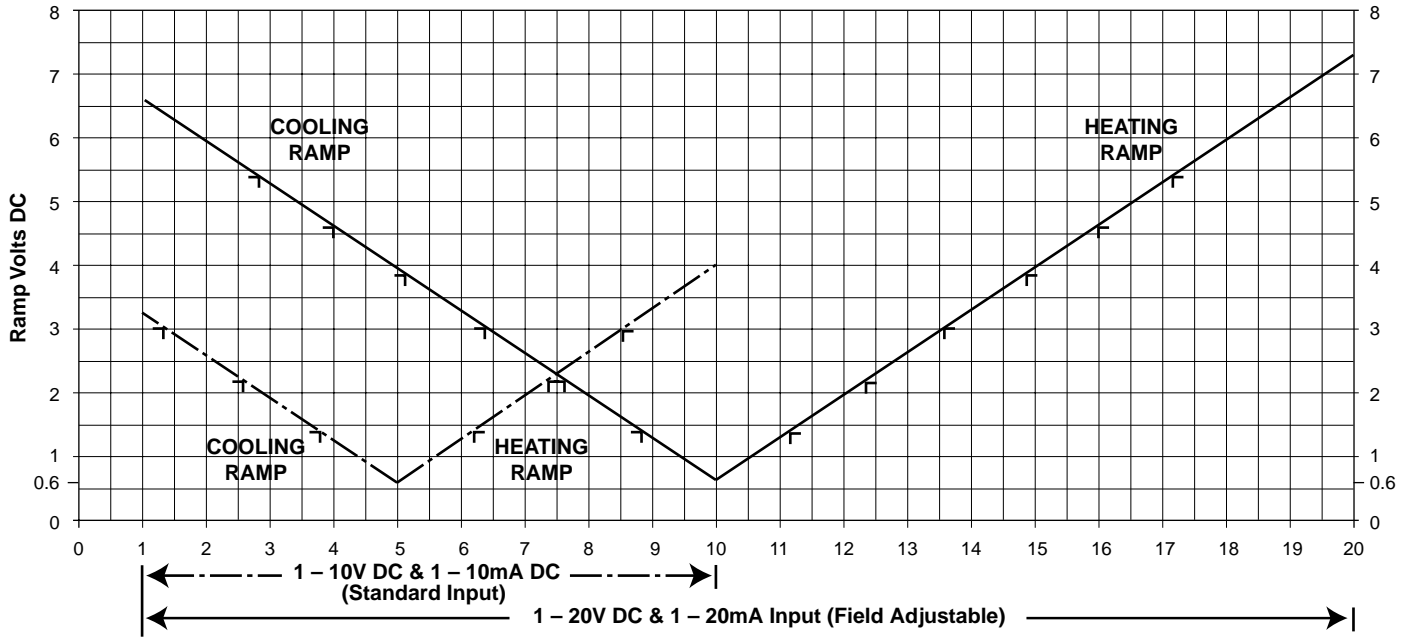
### Description

The 744-HC or 744-HCP Series Step Controllers provide an internal DC Volt Ramp for either heating and/or cooling application(s). The 744-HC is designed to accept any one of the five electric/electronic input signals: 10K (65°-85°F), Temperature Sensing IC (30°-160°F), 1-20 Volts DC, 1-20 mA and 0-135 Ohms. The 744-HCP provides an on-board transducer that directly accepts a 0-15 psi pneumatic input signal. In both Series, all factory calibrated staging occurs at the same approximate Ramp Voltage DC.

The Ramp vs. Input graphs illustrate the energizing of each stage for all input signals available. Stages are factory programmed and calibrated. For field calibration, see the 744-HC and 744-HCP Series "Installation & Operating Instructions".

744-HC Ramp Volts DC	Stage	744-HCP Ramp Volts DC
0.6	Setpoint	0.6
1.4	Stage 1	1.3
2.2	Stage 2	1.8
3.0	Stage 3	2.4
3.8	Stage 4	3.0
4.6	Stage 5	3.6
5.4	Stage 6	4.1





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