Self-Heating Thermal Protectors Feature

– Patented clips that snap into 1/2" trade-size knockouts for faster installation and reduced assembly time. (Reverse clip available upon request.)

– A simple identification numbering system that makes the correct rating choice easy for the manufacturers.

– Models available that comply with Articles 410-65(c) and 410-73(f) of the National Electrical Code for UL Listed and CSA Certified incandescent, fluorescent and HID fixtures, respectively.

– Standard leads are No. 18 AWG 105°C AWM-TEW plastic insulated wire, 6" long, stripped 1/2".

Leviton's Easy Identification System

Use Leviton's easy identification system to select the proper thermal protection device for your requirements.

The basic catalog number, 9454, is followed by a letter and two digits, such as 9454-W25.

Therefore, Cat. No. 9454-W25 is a four-lead, dual-rated thermal protection device with a 7.2k resistor and an opening temperature of 125°C.

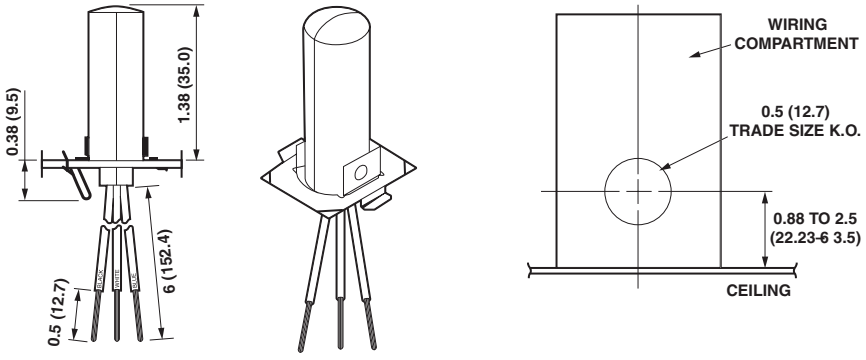
The letter designates the resistor values:

3-Lead Devices	4-Lead Devices
A = 7.2k resistor (120V)	**R** = 9.5k resistor (120/347V)
B = 12.3k resistor (120V)	**T** = 12.3k resistor (120/347V)
C = 37.5k resistor (277V)	**U** = 21.5k resistor (120/347V)
D = 8.2k resistor (120V)	**W** = 7.2k resistor (120/347V)
E = 21.5k resistor (208V)	**Y** = 8.2k resistor (120/347V)
F = 37.5k resistor (277V)	**Z** = 7.2k resistor (120/347V)
G = 72.0Ω resistor (12V)	
H = 28.8k resistor (240V)	
J = 9.5k resistor (120V)	
K = 72.0Ω resistor (12V)	
L = 43.5k resistor (277V)	
M = 60.0k resistor (347V)	
P = 72.0Ω resistor (12V)	
S = 7.2K resistor (120V)	

The two digits designate the opening temperature of the protection device in degrees Centigrade:

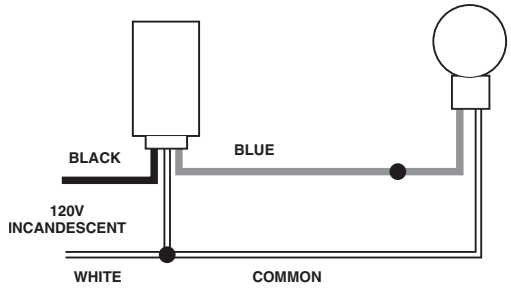
75 = 75°C	05 = 105°C	30 = 130°C
80 = 80°C	10 = 110°C	35 = 135°C
85 = 85°C	15 = 115°C	40 = 140°C
90 = 90°C	20 = 120°C	45 = 145°C
95 = 95°C	25 = 125°C	50 = 150°C
00 = 100°C		

NOTE: Custom-made thermal protectors with specified temperature profile and geometry are available on special request.

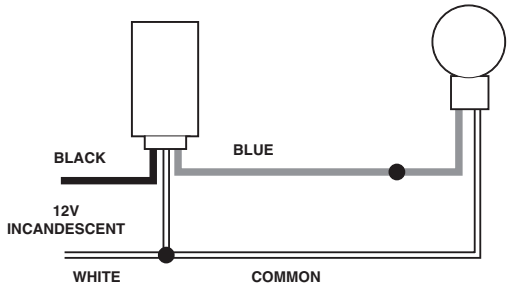


Cat. No. 9454

Wiring Diagrams for Incandescent Applications

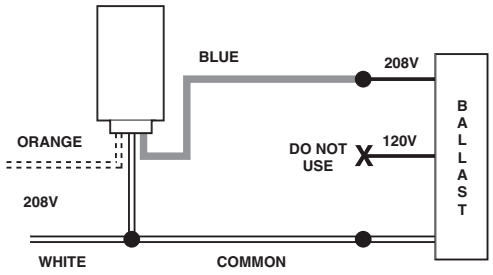


For Resistor Values B, D and S

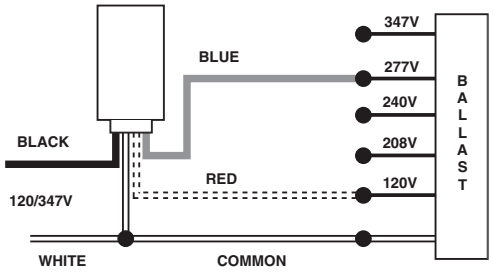


For Resistor Values G, K and P

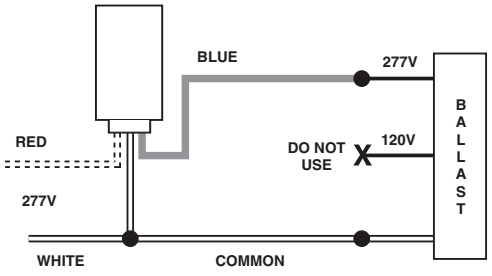
Wiring Diagrams for HID and Fluorescent Applications



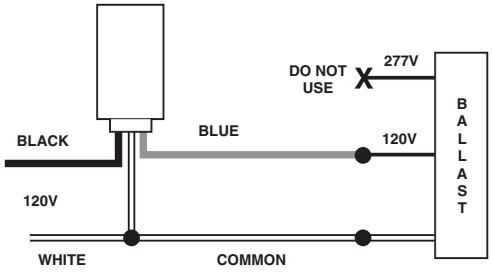
For Resistor Value E



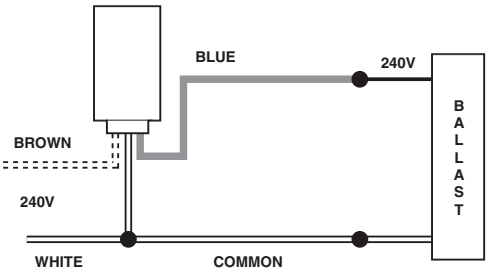
For Resistor Values R, T, U, W, Y and Z



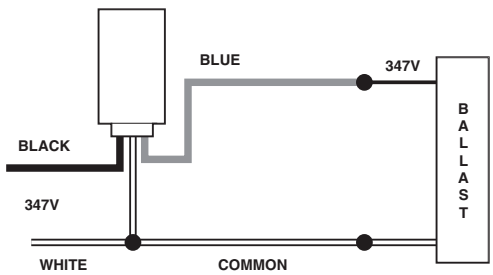
For Resistor Values C, F and L



For Resistor Values A, B, D, J and S



For Resistor Value H



For Resistor Value M

SECTION F