



## DC-AS Series Digital Controllers DC-AS22

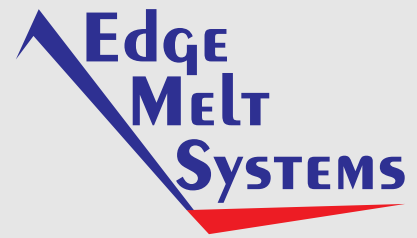
### Overview

The ice dam prevention system controller DC-AS22 allows for automatic operation of the Edge Melt Systems heated roof panels and heated gutter guards. The DC-AS22 operates up to 2 separate branch circuits according to the temperature control values set on the digital temperature controller. A set point for heat cable on/off operation as well as a set point for low temperature cut out (LTC) of the circuits is provided. The LTC mode saves energy by keeping the heaters off when temperatures are below the threshold at which solar gain and heat loss melts snow or additional snow accumulates. Both temperature set points are easily field adjustable to suit local conditions.



### Operation

The DC-AS22 Controller uses a remote thermistor sensor to measure the ambient (outside) temperature. When the sensed outdoor temperature falls below the upper set point (out1), the temperature controller energizes the branch circuits. When temps rise above the upper set point the branch circuits are de-energized. If the sensed temp falls below the LTC (out2), the branch circuits are de-energized and re-energized when the temperature rises above the LTC set point. This is commonly referred to as 'window' operation and is the most efficient way to operate your heat cable system.



### Specifications

Operates:  
DC-AS22 - up to 2 separate  
circuits 208/240 VAC  
NEMA Type 12

208-240VAC

Rated at up to 30 amps per circuit

Single and/or 3 phase

MAN/Max control energizes heat  
cable circuits regardless of  
temperature  
*Useful for preseason testing*

AUTO control energizes the heat  
cable circuits when ambient  
temperature is between set points  
*Fool proof, economical control*

Set points are field adjustable

Precision calibration function  
customizes controller to  
installation site

Polycarbonate enclosure

UL 508A C/US



DIGITAL CONTROLLERS