

JOB		REPRESENTATIVE	
ENGINEER		ORDER #	DATE
CONTRACTOR		SUBMITTED BY	DATE
PAGE #		APPROVED BY	DATE

Qty	Part #	Zones	Comments
	33565		
	33570		

The DS controllers are primarily designed for hydronic snow melting applications. The 33565/DS224 has built in moisture and temperature sensor while the 33570/DS824 has a built in temperature sensor and a remote mount moisture sensor (10 ft. lead). The units can be powered from a 24VAC/VDC source. The DS controllers feature a new trigger sensitivity adjustment. The sensitivity adjustment allows setting the number of seconds the precipitation grid must see continuous rain or snow before the sensor is triggered and ranges for from 3 seconds to four minutes. A higher sensitivity setting assures quick detection no matter the conditions. A lower sensitivity setting will allow a few stray drops of rain or flakes of snow to be ignored but a heavier downfall will trigger the system.

Features:

- * Designed for low voltage hydronic and battery powered systems
- * Automatic activation = lower deicing costs
- * Reliable rain and snow detection
- * 24 VAC/VDC operation, only 20VA required
- * Replaceable precipitation sensor
- * Easy installation, full access to electronics
- * 8 different functions
- * Adjustable temperature trigger point
- * Adjustable delay off cycle, selectable 30-90 mins. or 2-6 hours
- * Selectable low temperature cutoff
- * Smart "manual on" operates for one delay off cycle



Typical Wiring

33565 & 33570 Specifications	
Dimensions	4 1/4" X 7" X 2 1/4"
Weight	2 Lbs.
Ambeint Temperature	-40 TO / +185°F
Enclosure Rating	NEMA 3R
Supply power	22-28 VAC/VDC 15VA Max., 5VA typical
Trigger temperature	+34°F -44°F Field Selectable
Delay Off (sensor)	2 minutes
Delay Off (Controller)	30-90 minutes / 2-6 field selectable
Load Contact capacity	30A @ 24 VAC/100,000 operations minimum at full load
Remote Control & Monitor Contact capacity	24 VDC/VAC 400mA 10W total

