

Snow and ice melt system controls

Snow and ice melt systems linked to the building's energy system, either hydronic (Figure 8-2) or electric, must have automatic controls. The controls monitor temperature and precipitation. When the pavement and air temperatures are safely above the point beyond which snow will not stick and ice will not accumulate, the system energy use is greatly reduced. The controls allow the system to idle in the off mode. This lessens the thermal shock effect and prolongs the functional life of the pavement slab. A manual control is allowed so that the system can be shut off completely during warm weather (Figure 8-3). [Ref. C403.2.4.5]



FIGURE 8-2 Snow and ice melt systems



FIGURE 8-3 Manual control is allowed for complete shutdown.