

ICE SNOW WARNING SIGN

The Ice / Snow Warning Sign is mounted on a pole with a solar panel and control box housing the solar battery, charger and sign controller. The sign can optionally be fitted with a radar detector for detecting the approaching traffic at a maximum distance of 140m and a minimum speed of 10kph, allowing the sign to conserve power by only flashing in the presence of approaching traffic.

A temperature sensor probe is typically installed into the road surface for monitoring of ice and snow conditions, which may be prone to mechanical damage, or alternately an optional remote infrared sensor could be installed on the sign for monitoring the road surface temperature, which would not be prone to mechanical failure or road resurfacing.

The solar cell and battery would be sized to operate for at least 2 hours of solar charging per day and up to 2 weeks on a fully charge battery without charging.

RADAR DETECTOR (OPTION)

Minimum speed 10km/hr

Max Range 140m

(Can reduce power by flashing only on approaching traffic)

SOLAR PANEL

INFRARED ROAD SURFACE TEMPERATURE SENSOR (OPTION)



CONTROL BOX (ILLUSTRATION ONLY)

Contains Solar Controller
Battery and Light Controller