LCD-display heater

- Safe and easy
- No risk of overheating – automatically switches off
- Fast heating - high power when it is cold
- Energy optimizing – heats only when and where needed
- Eliminates regulating electronics
- Thin and flexible

"We enable your LCD displays to operate properly at any ambient temperature, with a minimum of energy and without any regulating electronics."

Background
Liquid crystal displays (LCD’s) are being more and more used, even in cold environments. They are used in a wide range of applications from handheld electronics like mobile phones, tablets, GPS, etc. over monitors in vehicles to large outdoor information screens.

For the displays to function properly they have be kept above 0°C, and must be heated in cold conditions.

Objective
LCDs need to be heated in cold conditions in order to function properly. It is a challenge to find a heating element that is energy efficient, thin, produce heat uniformly and can be formed to any shape and size.

Solution
Conflux’ thin and flexible heating foil ensures that the LCDs are kept at optimal temperature with a minimum of energy consumption. The inherent point-wise self-regulation ensures that each part of the LCD is heated to the correct temperature when and where it is needed, without ever overheating any part of it. No control electronics is required. The flexible Conflux heater is simply attached to the back of the LCD display and connected to power.

Benefits
With a Conflux heating foil your LCD display will function properly at any ambient temperature. The colder it is the higher is the heating power of the Conflux foil. When the temperature rises to levels where heating is not required, the heat production is automatically reduced to a minimum.

We have a desire - heating shall be safe and easy.