



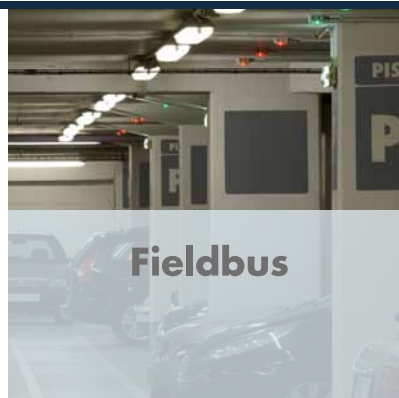
Sense



Switch



Control



Fieldbus

Application notes



Application Note : August 2014

Market involved : Renewable energy

Product : CLD2EB1BU24

Customer : Rooftop solar heater manufacturers

Subject : Control of the pump in rooftop solar heater systems

CUSTOMER ISSUE :

Rooftop solar heaters generally use simple float switches.

However this method will cause the pump to run frequently with the slightest consumption of the hot water.

A smarter controller needs to be used but the available space in the cabinet for the rooftop solar heater is normally tight.

OUR SOLUTION :

Thanks to the CLD2EB1BU24, a smarter solution is now available.

The filling stops when the high level electrode is reached and will start filling again only when the water level exited the low level electrode.

This reduces the pump start-stops.

Its slim design allows the installation even in small cabinets.

BENEFITS :

- Reduced pump working-rate thus increasing the lifetime of the pump.
- 2 water level detections
- Space-saving installation