

# LC3UP

NEW USER PANEL

**Lumikko**  
BY BITZER GROUP



For Lumikko transport refrigeration units

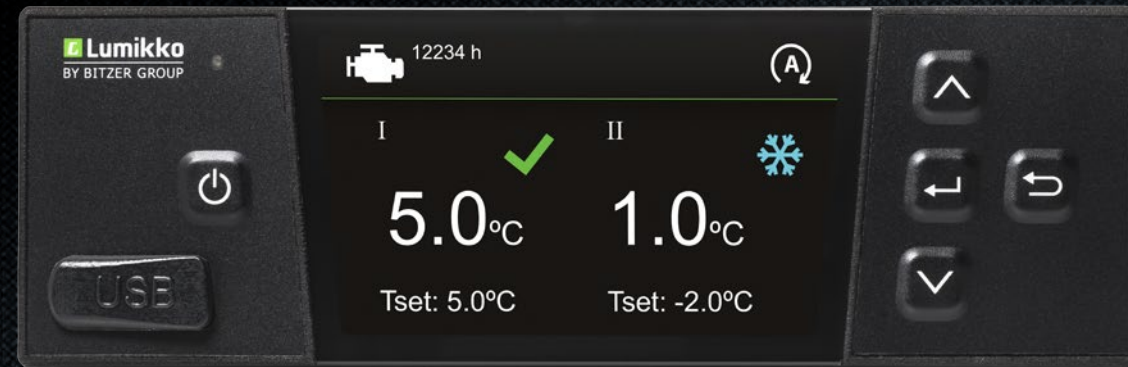
## ENHANCED USABILITY AND SERVICEABILITY HAS BEEN IN FOCUS WHEN DEVELOPING THE USER PANEL

**A new innovative user panel generation is developed in a cooperation between the BITZER companies Lodam electronics and Lumikko Technologies.**

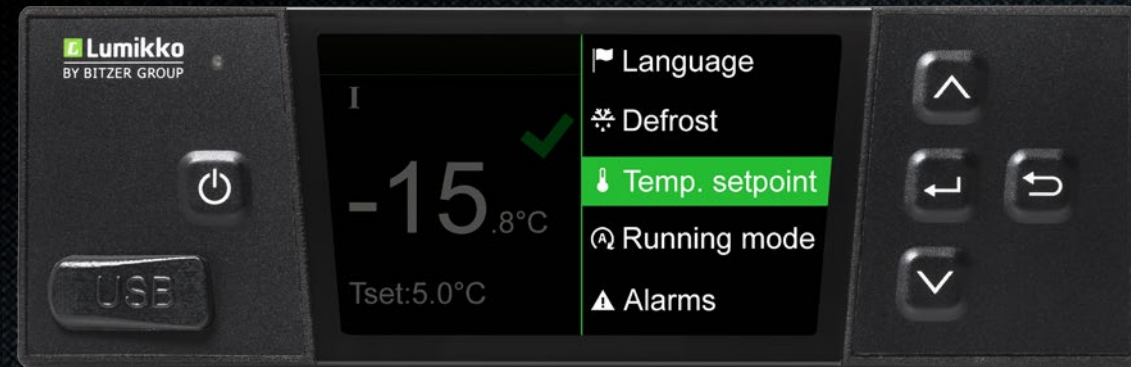
Enhanced usability and serviceability of the refrigeration system has been in focus when developing the user panel. Optimizing the daily work for truck drivers and service personnel is not the only benefit. The new display also offers easy mounting and customization to match truck dashboard light coloring.



The new innovation user panel is designed for temperature control in the Lumikko transport refrigeration units.







## USABILITY

The new 4" color display with high contrast secures a good viewing angle and sunlight readability for the users, both inside and outside with the automatic dimming of display backlight functionality. Keypad is designed for optimum user friendly operation and the menu is optimized for simple and intuitive user interface with symbols and multilanguage in completely new "menu bar".

## SERVICEABILITY

The new display offers an intuitive and clear fault indication with instructions for drivers/service personnel for easy trouble shooting. Service personnel also have access to the large memory capacity of recorded event. Via an USB port in the front the software can easily be updated and reports downloaded to USB memory stick.

## CUSTOMIZATION

The main screen can be customized to fit the different needs for large text and the ability to monitor multiple temperature zones at the same time. Also different display and keypad backlight color themes can be implemented to match truck dashboard light coloring.

## MOUNTING

The robust and reliable construction for harsh environment (sunlight, moisture, salt etc.) has prepared the user panel to be mounted inside the truck directly in the radio slot in the cabin and outside on the trailer unit. By customizing the display menu background you secure the best readability both inside the truck and outside in direct sunlight.



## HIGH CONTRAST COLOR DISPLAY

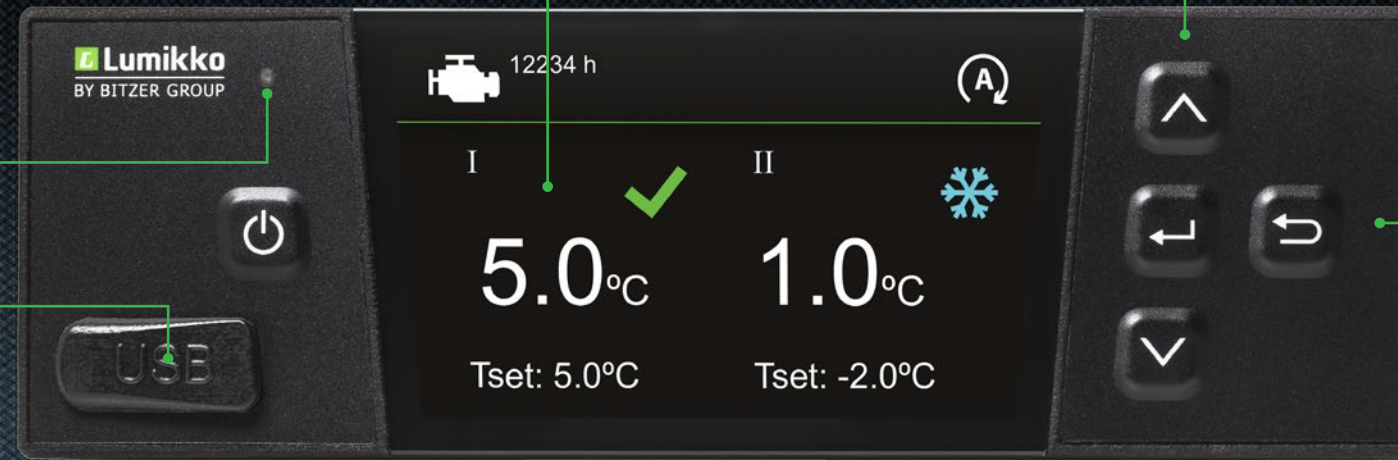
Secures a good viewing angle and sunlight readability, both inside and outside with the automatic dimming of display backlight functionality.

## AUTO DIMMING

Adjusts automatically the brightness and contrast of the display.

## USB PORT

The software can easily be updated and reports downloaded to USB memory stick.



## USER FRIENDLY KEYPAD

The display menu is optimized for simple and intuitive user interface with symbols and multilanguage.

## RELIABLE CONSTRUCTION

The user panel can be mounted inside the truck directly in the radio slot in the cabin and outside on the trailer unit.



THE DISPLAY MENU WITH CLEAR  
SYMBOLS AND MULTILANGUAGE  
IS EASY TO USE.

## LC3UP TECHNICAL DATA

### Excellent graphical user interface

Excellent 4" TFT display 800 x 480 dots,  
full colour, sunlight readable

1 on/off key, 4 function keys,  
adjustable backlight colour and brightness

### Extended temperature range

Storage: -40 to +80°C

Operation: -30 to +70°C

### Communication

1 x CAN bus dedicated for Lumikko Master Control Unit

1 x AUX CAN bus

1 x AUX RS-232

1 x USB Host (front accessible for memory stick)

### Power

12/24 VDC battery systems





Read more

### **Lumikko Technologies Oy**

Postal address: P.O.Box 304 // 60101 Seinäjoki // Finland

Visitor address: Kylmätie 1 // 60560 Hyllykallio, Seinäjoki // Finland

Tel +358 (0)10 835 5450 // Fax +358 (0)6 414 1921

[lumikko@lumikko.com](mailto:lumikko@lumikko.com) // [www.lumikko.com](http://www.lumikko.com)

**Lumikko Control 3 User Panel // 06.2015**