

Instructions for Bus Tool

Bus Tool is a tool for controlling and verifying the temperature control of deployed buses. The operation is wireless, and takes place outside the bus.

Control/reading: Stand in front of the bus front and direct the Bus Tool towards the front windshield and the bus's temperature control unit (TempCTL). Press the button(s) for the test or control function and read the result in the TempCTL display..

Functions:



Test the IR-quality to the bus's temperature control unit and the base station



Read the bus's interior temperature



Read the bus's battery voltage and charge condition



View whether the bus's heat maintenance mode is Auto, On or Off



Read the temperature control unit software version



Key temperature control unit (showing RF-ID> version no.> radio quality)



View bus ramp area (to see if the bus is communicating with the right ramp unit)



Function button for;

- **On**, Prepare departing, full heating
- **Aut**, manual return to automatic
- **Off**, weekend shutdown of buses
- **On ... Aut**, to control the operation of the circulation pump and flow







TempCTL, temperature control unit in the bus's front windshield



Reading and maneuvering of heating modes


Reading the heating modes: Press  and read the TempCTL-display.

-  = Heating On for full, departing.
-  = Automatic control, right now heating On.
-  = Automatic control, right now heating off.
-  = Heating completely off, weekend.

Weekend-shutdown of buses, cool: Press  + . TempCtl responds with .

- Heating is completely switched off..
- The bus's low temperature alarm is switched off.
- Battery alarm changes to below 23.5 volts.
- Alarm for fire remains.

Prepare departing, full heating: Press  + . TempCtl responds with .

- Full heating.
- Alarm as normal.
- Prepared to depart, the bus is marked in the TSI with the symbol .





Manual return to automatic heating: Press  + . TempCtl responds with .

Automatic shutdown: Weekend-shutdown and departure heating are automatically terminated by TempCtl when the bus leaves the ramp.

Centrally controlled shutdown: Return to automatic mode can take place for all buses in a depot,

for example Monday morning at 04:00

Operation control of the circulation pump and flow using the Bus Tool:

- Turn on full heat with  + .
- Check the circulation pump, hoses and flow.
- Then return to automatic heating with  + .