

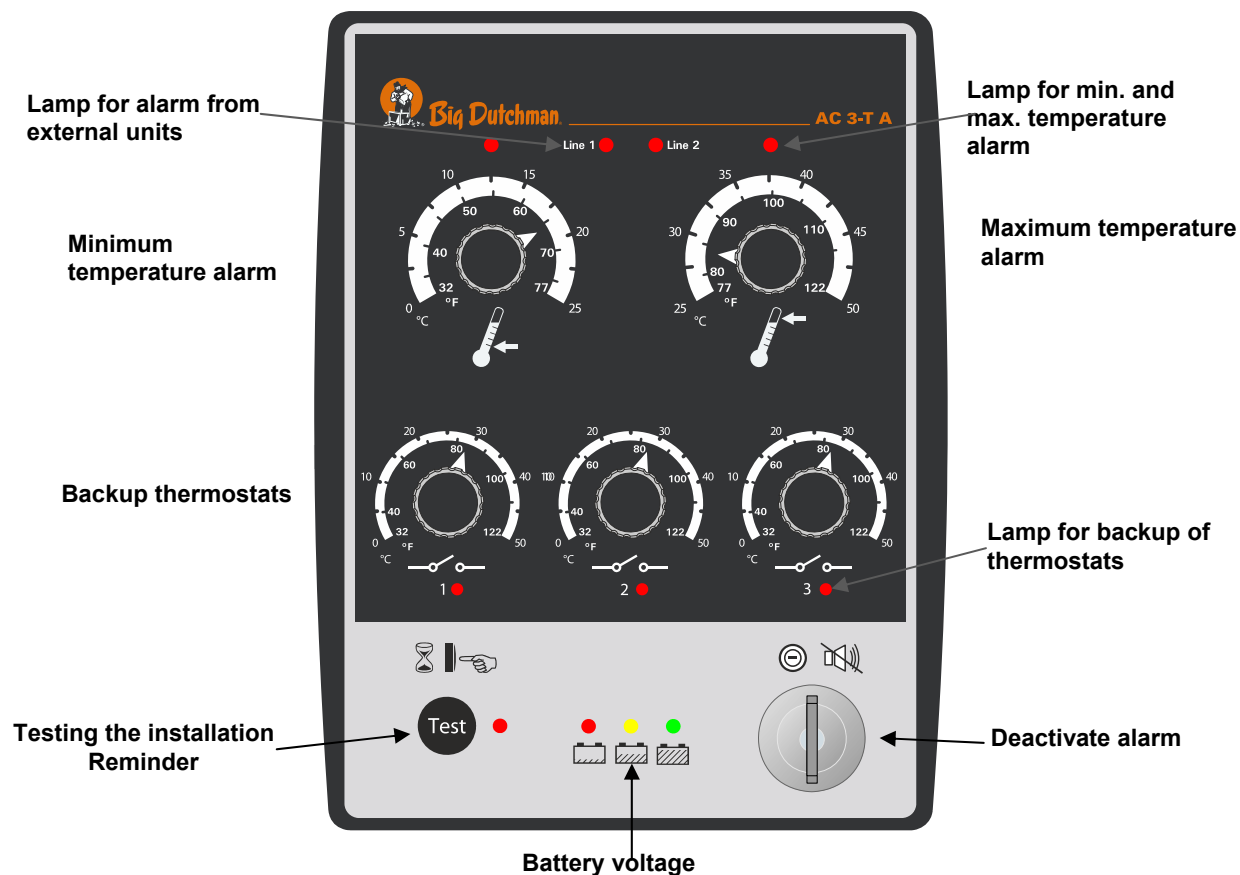
User manual

AC 3-T A / Alarm System

Code No. 99-97-5101

Edition: 08/2012 GB

AC 3-T A Alarm System



1 Setting the AC 3-T A

1.1 Temperature Alarms

If the inside temperature deviates from the setting ($\pm 0.5^\circ\text{C}$) for more than two minutes, the AC 3-T A alarm unit generates an alarm.



Set the alarm for minimum temperature within the range $0-25^\circ\text{C}$ ($32-77^\circ\text{F}$).



Set the alarm for maximum temperature within the range $25-50^\circ\text{C}$ ($77-122^\circ\text{F}$).

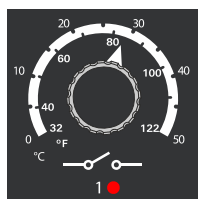


Alarm mode $>$ two minutes.



Alarm mode $<$ two minutes (from the situation arises till the alarm is generated).

1.2 Backup Thermostats



AC 3-T A integrates three backup thermostats which work as backup for the temperature control of the climate computer.

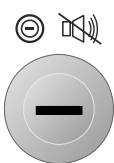
Set the temperature of the thermostat.

When the inside temperature exceeds the setting, the AC 3-T A alarm unit activates the function as required, e.g. extra ventilation or a cooling system.





The thermostat has activated the function.

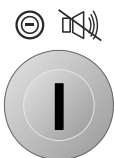
2 Deactivating the Alarm



Alarm deactivated.

Stop the alarm by placing the  in the on-off switch and turning it to horizontal position.

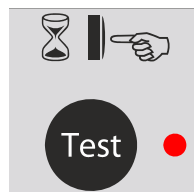
 Until the alarm mode ceases.



Alarm activated.

NB Remember to turn the key back into vertical position, when the reason for the alarm has been rectified.

3 Testing the Installation



Press  and hold it to start a test.

The AC 3-T A powers up all lamps and activates all alarm signals at once.

Check that the alarm system works as intended.

The test stops when you release the button.


NB Big Dutchman recommend a weekly test of the installation.

4 Status Functions

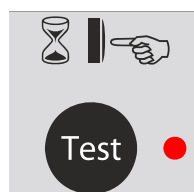
4.1 Alarm from external Units



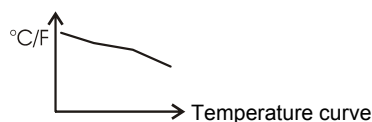
AC 3-T A can be connected to two external units, e.g. a climate computer, and generate an alarm in case of a signal from the climate computer.

 Alarm from external unit.


4.2 Reminder-Function (Batch Operation)



The test lamp flashes to remind you that you have to lower the temperature for minimum and maximum alarm and for backup of thermostats during the batch.

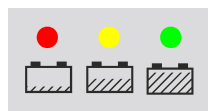


Press  to postpone a reminder.

 More than four days since the button was pressed last time.

The function can be disconnected (see *Technical Manual*).

4.3 Battery Voltage



AC 3-T A measures the battery voltage continuously and indicates the status.

Light	Voltage status
Red	Too low
Yellow	Low
Green	Normal

A single lamp is flashing: indicates a mains failure/phase break.

All the lamps are flashing: indicates that battery voltage is so low that the horn and light will be disconnected in order not to destroy the battery.