Alarm Systems

for the highest security standards in your poultry house

Alarm systems you can trust

Modern houses for poultry production are constantly equipped with more technical management aids. Automation processes for feed and water supply as well as climate control increase every day. Installing technical devices for monitoring and notification purposes is therefore an absolute necessity. Farm managers can react instantly in case of problems and are thus able to prevent damage in a reliable manner.

Big Dutchman alarm systems raise the bar regarding functionality and security requirements.

You are welcome to find out about our product range. After all: There is no room for compromising over security!

AC Touch – for highest security standards

With the alarm device AC Touch, Big Dutchman introduces a new generation of alarm systems. Instead of a key, AC Touch is accessed by means of a fingerprint sensor. This ensures that changes to settings and acknowledged alarms can be tracked back to the responsible person with absolute certainty; a great advantage on farms with several employees.

Furthermore, the alarm device is easy to use thanks to a large colour display. All alarm inputs and functions are displayed clearly and can be easily adjusted. Another important feature is the "black box", which cannot be deleted and saves all alarms and activities.

Who turned off the alarm? AC Touch knows!

Access via fingerprint: only authorised persons can acknowledge an alarm

Fingerprint sensor for up to 20 users
✔ secure
✔ reliable
✔ robust
✔ dust-proof, IP 55
✔ no key required

Alarm notifications and acknowledgement

Alarms are indicated via:
✔ alarm horn
✔ warning light
✔ voice output (loudspeaker)
✔ autodialler
✔ call to a mobile phone
✔ text message

Up to five telephone numbers can be called and/or notified via SMS. The order of these numbers can be changed very easily.
Specific languages can be set for each telephone number. Test calls are also possible.

As an option, alarms can be acknowledged via mobile phone or fixed line. A potential-free contact is available for connection of other devices that transmit alarm signals, for example alarm transmission devices by Telenot.

All functions at a glance

- ✔ 10 analogue or digital alarm inputs, e.g. temperature alarm, fire alarm, motor failure;

- ✔ all inputs are fail-safe in case of wire breaks and, as an option, also for short circuits, too;

- ✔ 10 relay outputs actively switch on emergency fans or MultiStep groups, dependant on temperature limits or alarm notifications;

- ✔ the temperature is monitored by means of temperature profiles which can be pre-configured or set up individually (broilers, layers);

- ✔ temperature monitoring registers both sudden temperature changes and temperatures below or above the absolute values with regard to the current outside temperature;

- ✔ secure identification of up to 20 users with different rights thanks to a fingerprint sensor;

- ✔ progress curves of all alarms of the past 30 days can be displayed;

- ✔ the long-time storage cannot be deleted for an entire year;

- ✔ phase failure monitoring (optional) reports power failures;

- ✔ backup battery including monitoring of the battery status;

- ✔ automated test alarm;

- ✔ less important alarms can be muted for the night;

- ✔ integrated microphone records alarm messages.

Four different AC Touch models

	Code no.	Fingerprint sensor	GSM module (SMS and telephone)	Fixed line
Basic version	60-43-4877	✔		
Fixed line version	60-43-4886	✔		✔
GSM version	60-43-4887	✔	✔	
Fixed line + GSM version	60-43-4888	✔	✔	✔

AC Touch complies with the recommendations of the AEL ("Association for Electricity Use in Agriculture" in Germany), the DLG (German Agricultural Society) and the GDV (German Insurance Association). It corresponds to the Swedish and Danish guidelines for alarm devices and bears the CE marking.
If the authorities or the insurer demand an alarm device approved by the German VdS testing institution, a transmission device by Telenot can be connected via a potential-free contact.

Alarm transmission devices tested by VdS

Special alarm transmission devices can send alarms to phones or mobile phones if an authority or an insurer require that the device meet the provisions of the German VdS testing institution. The two devices available from Big Dutchman both use the next generation of IP technology. They have eight alarm lines to differentiate between the alarms. ISDN, Ethernet or the wireless GSM network can be used to transmit the alarm.

Both transmission devices must be operated in connection with a Big Dutchman alarm system to ensure that an alarm horn and a warning light can be connected. The transmission device sends the alarm in a manner certified by the VdS.

Code no. 60-43-4990: ComXline 2516 – from the alarm unit to analogue & GSM
Code no. 60-43-4991: ComXline 3516-2 – from the alarm unit to ISDN & GSM

AC 3-T A – simple, robust and easy to use

AC 3-T A has a wide functional range and is furthermore equipped with a battery with an extremely long life. This ensures highest operational reliability, especially in regions where power failures are not uncommon.

AC 3-T A consists of two housings to save space when installing the operating unit in a control cabinet door. The second housing holds the battery and the phase control (optional) and can be mounted in the control cabinet.

All relevant functions are structured very concisely and are therefore very easy to use.

The battery housing is also ideally ventilated.

Code no. 60-43-4896: AC 3-T A complete with 2 temperature probes DOL 12 without phase control
Code no. 60-43-4895: AC 3-T A complete with 2 temperature probes DOL 12 with phase control

Alarm notifications

AC 3-T A is equipped with 4 relay outputs to generate alarms:
✔ alarm horn
✔ warning light
✔ external line (farmer's house)
✔ output to an external autodialler
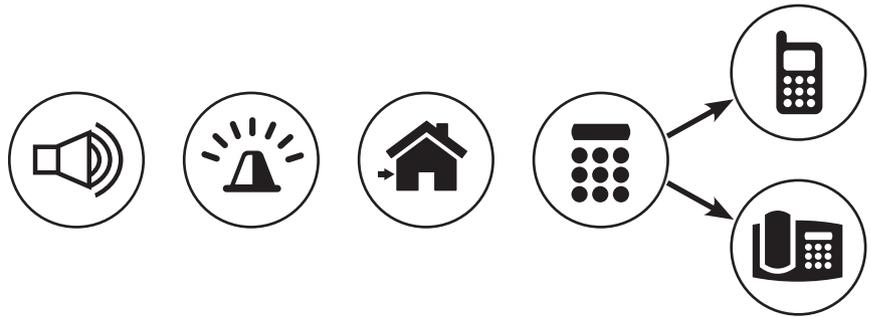
All functions at a glance

✔ minimum and maximum temperature alarms can be set individually and alarms are generated if the temperature is below or above these target values;

✔ 2 alarm inputs are available; one for the climate and production computer and one for phase monitoring and the protective motor switch of the control cabinet;

✔ 3 different backup thermostats switch on selected fan steps, e.g. if a climate controller fails;

✔ active battery monitoring ensures that the status of the battery is checked every two minutes;

✔ contacts of the backup relay remain switched on for up to six hours after a power failure;

✔ alarms can be switched off by means of the key in the unit until the issue has been solved;

✔ the integrated testing and memory function guarantees that the alarm system reminds the farmer to adjust the minimum and maximum temperatures in rearing and broiler houses according to the birds' age.