

# WIND ALARM UNIT, UNIVERSAL

The Wind Alarm Unit Universal is designed, in conjunction with wind sensors, for the introduction of preventative measure to protect objects at risk from wind.

- Options for setting wind speed alarm thresholds depending on the wind direction.

**Thies**  
**CLIMA**



#### Particularly suited for:

- Tower cranes
- Bridges
- Temporary installations
- Chair lifts
- Wind energy plant
- Masts
- Greenhouses
- Sunscreens
- Awnings
- Ramps etc.



## Wind Alarm Unit Universal

The combination of established proven Thies quality, and modern security technology.

The wind alarm unit, in a compact plastic housing for mounting on a carrier rail, is designed for applications, which protect buildings and devices, as well as for securing technical plants. It is indoor-mounted, and serves, in conjunction with an anemometer and an optional wind direction sensor, for protecting objects at risk from wind even depending on wind direction.

The selection of modes and parameter settings allow the alarm unit to meet different requirements and standards.

### For example

**Mode 1:**  
Limit value monitoring of a wind velocity.

**Mode 2:**  
Limit value monitoring of a wind velocity with pre and main alarm.

Order-No. 4.3244.0x.000  
.00.  
.04.

**Mode 3:**  
Wind velocity alarm depending on the wind direction. Here, the user selects a wind alarm level (limit value) for the wind velocity and a wind sector presenting a possible risk to the object requiring protection.

**Mode 4:**  
As for mode 3, however with 2 wind velocity alarms depending on the wind direction for use if the objects, requiring protection, from different orientations.

Suitable sensors are THIES-anemometers and wind direction sensors as well as products from other manufacturers with analogue standard signal output. Integrated monitoring function on cable break and short circuit.

The setting/operation is carried out via key or via the serial interface, the display indication through the LC display as well as by coloured LED lights.

### Technical Data:

Operating voltage 230 V / 50 Hz or 24 V AC/DC  
115 V / 60 Hz or 24 V AC/DC  
max. 10 VA

### Wind alarm parameters

Wind velocity  
Resolution 1 m/s  
Wind direction  
Resolution 1°  
Switch-on delay 0 ... 120 sec.  
Switch-off delay 0 ... 240 min.  
each selectable

### Input signal

Wind velocity  
digital and analogue ... - 1600 Hz / 4 ... 20 mA  
Wind direction  
digital and analogue Serial-synchronous / 4 ... 20 mA  
Serial RS 485 for ex. for Thies US 2D

### Wind alarm outputs

Relay 1 and 2 Pre and main alarm  
Relay loading AC/DC 5A, 250 V AC @ cos Phi = 1 /  
0.01 ... 5A/5 ... 30 V DC

### Serial interface

Baud rate RS485 HD  
300 ... 115200

### General

Ambient conditions -20 ... +50 °C,  
non-condensing  
Construction Housing for mounting  
on a carrier rail  
Protection IP 20  
Dimensions 105 x 86 x 85 mm (WxHxD)  
Weight 0.65 kg

### Accessories:

- Power supply 60 VA for supplying sensor heating.
- Protecting housing with clear cover IP 67 for outdoor mounting.



ADOLF THIES GMBH & CO KG  
Meteorology – Environmental Technology  
Box 3536 + 3541  
37025 Göttingen · Germany  
Phone + 49 551 79001-0  
Fax + 49 551 79001-65  
info@thiesclima.com  
www.thiesclima.com

Please contact us  
for your system  
requirements.  
We advise you gladly.

