

Manual abstract:

@@@To install and replace the batteries, please follow the steps below: 1. Insert finger or other solid object in the space at the bottom center of the battery compartment and lift up to remove the cover. 2. Insert batteries observing the correct polarity (see marking). 3. Replace compartment cover. 22 HOW TO INSTALL AND REPLACE BATTERIES IN THE TEMPERATURE TRANSMITTER The Temperature Transmitter uses 2 x AA, IEC, LR6, 1.5V batteries. To install and replace the batteries, please follow the steps below: 1. Remove the cover.

2. Insert the batteries, observing the correct polarity (see marking). 3. Replace the battery cover on the unit. Note: In the event of changing batteries in any of the units, all units need to be reset by following the setting up procedures.

This is due to a random security code assigned by the transmitter at start-up. This code must be received and stored by the Weather Station in the first 3 minutes of power being supplied to the transmitter. 23 BATTERY CHANGE: It is recommended to replace the batteries in all units on an annual basis to ensure optimum accuracy of these units. Please participate in the preservation of the environment. Return used batteries to an authorized depot.

SETTING UP WHEN ONE TRANSMITTER IS USED 1. First, insert the batteries in the transmitter (see "How to install and replace batteries in the Termohygro outdoor transmitter" above). 2. Within 2 minutes of powering up the transmitter, insert the batteries in the Temperature Station (see "How to install and replace batteries in the Weather Station" above). Once the batteries are in place, all segments of the LCD will light up briefly and a short signal tone will sound. Following the indoor temperature/humidity and the time as 0:00 will be displayed. If these information are not displayed on the LCD after 60 seconds, remove the 24 3. 4. batteries and wait for at least 60 seconds before reinserting them. Once the indoor data is displayed user may proceed to the next step.

After the batteries are inserted, the Weather station will start receiving data signal from the transmitter. The outdoor temperature data should then be displayed on the Weather station. If this does not happen after 2 minutes, the batteries will need to be removed from both units and reset from step 1. In order to ensure sufficient 868 MHz transmission however, the distance between the Weather Station and the transmitter should not be more than 100 meters (see notes on "Positioning" and "868 MHz Reception"). Note: In the event of changing batteries of the units, ensure the batteries do not spring free from the contacts. Always wait at least 1 minute after removing the batteries before reinserting, otherwise start up and transmission problems may occur. WHEN MORE THAN ONE TRANSMITTER IS USED 1. User shall remove all the batteries from the Weather Station and transmitters, and wait 60 seconds. 2. Insert the batteries in the first transmitter.

3. Within 2 minutes of powering up the first transmitter, insert the batteries in the Weather Station. Once the batteries are in place, all segments of the LCD will light up briefly and a short signal tone will sound. Following the 25 4. 5.

6. 7. indoor temperature/humidity and the time as 0:00 will be displayed. If these information are not displayed on the LCD after 60 seconds, remove the batteries from both units and wait for at least 60 seconds before reinserting them. The outdoor temperature data from the first transmitter (channel 1) should then be displayed on the Weather Station.

Also, the signal reception icon will be displayed. If this does not happen after 2 minutes, the batteries will need to be removed from both units and reset from step 1. Insert the batteries in the second transmitter as soon as the outdoor temperature and humidity readings from the first transmitter are displayed on the Weather Station. Note : User shall insert the batteries into the second transmitter within 45 seconds after the Weather Station displays the information of the first transmitter. The outdoor temperature from the second transmitter and the "channel 2" icon should then be displayed on the Weather Station. If this does not happen after 2 minutes, the batteries will need to be removed from all the units and reset from step 1. Insert the batteries in the third transmitter as soon as the "channel 2" icon and outdoor data are displayed on the Weather Station. Then within 2 minutes, the channel 3 outdoor data from the third transmitter will be displayed and the channel icon will shift back to "1" once the third transmitter is successfully received. If this is not happen, user shall restart the setting up from step 1. 26 8.

Note : User shall insert the batteries into the third transmitter within 45 seconds after the Weather Station displays the information of the first transmitter. Or immediately after reception of the second transmitter is finished. In order to ensure sufficient 868 MHz transmission however, the distance between the Weather Station and the transmitter should not be more than 100 meters (see notes on "Positioning" and "868 MHz Reception"). IMPORTANT: Transmission problems will arise if the setting for additional sensors is not followed as described above. Should transmission problems occur, it is necessary to remove the batteries from all units and start again the set-up from step 1. RESETTING The Weather Station and the Temperature transmitter need to be reset when one of the following conditions occur: · Unsuccessful 868MHz signal reception. · Malfunction on the units. · Batteries replacement. For resetting, remove all batteries from the units. Wait at least for 1 minute before powering up the Weather Station 27 again.

Proceed from step 1 in "Setting Up". DCF RADIO CONTROLLED TIME The time base for the radio controlled time is a Cesium Atomic Clock operated by the Physikalisch Technische Bundesanstalt Braunschweig which has a time deviation of less than one second in one million years. The time is coded and transmitted from Mainflingen near Frankfurt via frequency signal DCF-77 (77.5 kHz) and has a transmitting range of approximately 1,500 km. Your radio-controlled Weather Station receives this signal and converts it to show the precise time in summer or wintertime.

The quality of the reception depends greatly on the geographic location. In normal cases, there should be no reception problems within a 1500km radius of Frankfurt. Once the outdoor reception test period is completed, the DCF tower icon in the clock display will start flashing in the upper center. This indicates that the clock has detected that there is a radio signal present and is trying to receive it. When the time code is received, the DCF tower becomes permanently lit and the time will be displayed.

DCF reception occurs twice daily at 02:00 and 03:00 am. If the reception is not successful at 03:00 am, then the next reception takes place the next hour and so on until 06:00am, or until the reception is successful.



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Three times to return to the current displayed values. 2. Once the MIN or MAX data is displayed, press and hold the SET key for 3 seconds to reset the respective MIN or MAX record to current temperature data, and current time, date display.

Note: The MIN or MAX data needs to be reset individually. 1. TO VIEW THE MIN/MAX DATA FROM DIFFERENT TRANSMITTERS When more than 1 transmitter used: 1. To toggle between transmitters, press the CH key: Once to show transmitter 2 Twice to show transmitter 3 Three times to return to transmitter 1 51 Use OUT/+ key to view the MIN/MAX temperature and humidity data for the selected transmitter. To reset the minimum and maximum temperature and humidity data, and the times at which they were recorded, press the SET key continuously for about 3 seconds.

This will reset the MIN/MAX data recorded to the current time, date, temperature and humidity. The current time taken is the normal displayed time and does not regard the time zone set for the unit. Note: the MIN/MAX data for each transmitter needs to be reset separately. 2. 3. TEMPERATURE TRANSMITTER:

The temperature is measured and transmitted to the Weather Station approximately every 4 seconds. The range of the Temperature Transmitter may be affected by the temperature. At cold temperatures the transmitting distance may be decreased. Please bear this in mind when positioning the transmitter. The LCD contrast on the unit will also be reduced when the batteries are reduced in power.

LOW BATTERY INDICATOR Low battery indicator is displayed on the LCD when the batteries require changing 52 **CHECKING FOR 868MHZ RECEPTION** If the outdoor temperature data is not being received within three minutes after setting up (or outdoor display show "-." in the outdoor section of the Weather station after failed attempts during normal operation), please check the following points: 1. The distance of the Weather station or transmitters should be at least 2 meters away from any interfering sources such as computer monitors or TV sets. 2. Avoid placing the transmitters onto or in the immediate proximity of metal window frames. 3. Using other electrical products such as headphones or speakers operating on the 868MHz-signal frequency may prevent correct signal transmission or reception. Neighbors using electrical devices operating on the 868MHz-signal frequency can also cause interference. Note: When the 868MHz signal is received correctly, do not re-open the battery cover of either the transmitter or Weather station, as the batteries may spring free from the contacts and force a false reset. Should this happen accidentally then reset all units (see "Setting up" above) otherwise transmission problems may occur.

The transmission range is around 100 meters from the Temperature transmitter to the Weather Station (in open 53 space). However, this depends on the surrounding environment and interference levels. If no reception is possible despite the observation of these factors, all system units have to be reset (see "Setting up" above). **POSITIONING THE WEATHER STATION:** The Weather Station has been designed to be hung onto wall or free standing. To wall mount Choose a sheltered place.

Avoid direct rain and sunshine. Before wall mounting, please check that the outdoor temperature and humidity values can be received from the desired locations. 1. @.@2. @@@@Secure the bracket onto a desired wall using the screws and plastic anchors.

2. Clip the remote temperature/humidity sensor onto the bracket. 56 Note: Before permanently fixing the transmitter wall base, place all units in the desired locations to check that the outdoor temperature and humidity readings are receivable. In event that the signal is not received, relocate the transmitter(s) or move them slightly as this may help the signal reception. There is also double sided tape included with the wall mount. On smooth surfaces this can be used instead of drilling holes. The mounting surface can, however, affect the transmission range. If for example the unit is attached to a piece of metal, it may then either reduce or increase the transmitting range. For this reason, we recommend not placing the unit on any metal surfaces or in any position where a large metal or highly polished surface is in the immediate proximity (garage doors, double glazing, etc.).

Before securing in place, please ensure that the Weather station can receive the 868MHz signal from the Temperature transmitter at the positions that you wish to situate them. The Temperature Transmitter simply clicks in or out of the holder. When inserting or removing the Temperature Transmitter from the wall holder please hold both units securely. **CARE AND MAINTENANCE:** 57 Extreme temperatures, vibration and shock should be avoided as these may cause damage to the units and give inaccurate forecasts and readings. When cleaning the display and casings, use a soft damp cloth only. Do not use solvents or scouring agents as they may mark the LCD and casings. Do not submerge the units in water. Immediately remove all low powered batteries to avoid leakage and damage. Replace only with new batteries of the recommended type. Do not make any repair attempts to the units.

Return it to their original point of purchase for repair by a qualified engineer. Opening and tampering with the units may invalidate their guarantee. Do not expose the units to extreme and sudden temperature changes, this may lead to rapid changes in forecasts and readings and thereby reduce their accuracy.

SPECIFICATIONS: Temperature measuring range: Indoor : -9.9°C to +59.

°C with 0.1° resolution C +14.2°F to +139.8°F with 0.2°F resolution ("OF.

L" displayed if outside this range) 58 -39.9°C to +59.9°C with 0.1° resolution C -39.8°F to +139.8°F with 0.2°F resolution ("OF.L" displayed if outside this range) Indoor humidity range : 1% to 99% with 1% resolution (Display "-." if temperature is OL.F; display "-." if < 1% and "99%" if > 99%) Indoor temperature checking intervals : Every 15 seconds Indoor humidity checking intervals : Every 20 seconds Air pressure checking interval : Every 15 seconds Outdoor temperature checking interval : Every 4 seconds (or every 15 minutes if data are lost and display "--.") Transmission range : up to 100 meters (open space) Power consumption: (alkaline batteries recommended) Weather Station : 2 x AA, IEC LR6, 1.

5V Transmitter : 2 x AA, IEC LR6, 1.5V Battery life : up to 24 months Dimensions (L x W x H): Weather Station : 101 x 28.5 x 179mm Outdoor : 59 Transmitter : 38.2 x 21.2 x 128.3 mm **LIABILITY DISCLAIMER:** The electrical and electronic wastes contain hazardous substances. Disposal of electronic waste in wild country and/or in unauthorized grounds strongly damages the environment Please contact your local or/and regional authorities to retrieve the addresses of legal dumping grounds with selective collection All electronic instruments must from now on be recycled.



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User shall take an active part in the reuse, recycling and recovery of the electrical and electronic waste. The unrestricted disposal of electronic waste may do harm on public health and the quality of environment. This product must however not be thrown in general rubbish collection points.

As stated on the gift box and labeled on the product, reading the "User manual" is highly recommended for the benefit of the user. The manufacturer and supplier cannot accept any responsibility for any incorrect readings and any consequences that occur should an inaccurate reading take place. 60 This product is not to be used for medical purposes or for public information. This product is only designed to be used in the home as indication of the future weather and is not 100% accurate. Weather forecasts given by this product should be taken only as an indication and not as being totally accurate. The specifications of this product may change without prior notice. This product is not a toy. Keep out of the reach of children. No part of this manual may be reproduced without written consent of the manufacturer. R&TTE Directive 1999/5/EC Summary of the Declaration of Conformity : We hereby declare that this wireless transmission device does comply with the essential requirements of R&TTE Directive 1999/5/EC.

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