

## Instruction Manual



### Digital Forecast Weather Station with wireless outdoor-transmitter



NILBRAND DV322 & TS45 MANUAL (4 ENG)  
SIZE: W105X H148 (mm)  
BY WING TSUI 31/07/07

#### POTENTIAL SOURCES of INTERFERENCE

With all Meteotime Weather Stations, we should take measures to provide best possible radio reception. HBG and DCF are long wave stations with a broad reach (for example, approximate 1500km for the DCF station). However, as with a long wave radio station, interference may occur which is often caused by the following influences:

- In buildings with lots of concrete, metal parts, and the electrical equipment you may get reception problems (for example, in shopping centers and at exhibitions).
- Electronic equipment such as TVs, computers, household machines, etc., or transformers, power lines, radio transmitters, and trains are potential sources of interference.
- Atmospheric influences might affect the radio waves.
- The distance from the station, and also the geographic conditions (mountains, etc.) also affect the reception. Due to their great distance from the station, areas like Southern Italy or Northern Scandinavia are critical.
- So-called (dead-spots) which make reception impossible can appear everywhere
- There is less interference in rural area than in heavily built-up urban ones.
- On principle at night the sources of interference are less active, consequently reception is better than during the day.
- Weak batteries in the device will lower the quality of reception.

#### DATA TRANSFER

METEOTIME sends the data during precisely defined time slots in accordance with UTC. (UTC, i.e. for Central Europe during the winter UTC+1, during the summer UTC+2; for Great Britain and Portugal during the winter UTC, during the summer UTC+1)

| Transmission times (UTC) | Forecast for                                     |
|--------------------------|--|
| 10:00 p.m. - 03:59 a.m.  | the actual (new) day (TODAY)                     |
| 04:00 a.m. - 09:59 a.m.  | the next day (TOMORROW)                          |
| 10:00 a.m. - 03:59 p.m.  | the following day (the day after TOMORROW)       |
| 04:00 p.m. - 06:59 p.m.  | the day following this (Two days after TOMORROW) |
| 07:00 p.m. - 09:59 p.m.  | the 30 additional regions                        |

In the even that the reception during the above time slots is completely or at times interfered with or has broken down, these forecasts, or parts of them, will be missing.

#### MUST READ BEFORE GETTING START

Your Meteotime Weather Station is different to traditional weather stations which measure the prevailing conditions only, the data of this weather station is based on the METEOTIME which is worked out on a daily basis by highly professional meteorologists using state-of-art instruments.

The Meteotime Weather Station is engineered in such a way that it is able to receive the coded METEOTIME signal containing the weather information. The information is broadcasted via the stations for radio-controlled clocks HBG (located in Switzerland) and DCF (located in Germany). For this reason, your Meteotime Weather Station is also a radio-controlled clock with all the known advantages, such as always showing the exact time, and automatic change to daylight saving time in winter and in summer.

You are able to receive weather forecasts for 60 meteorological regions within Europe for up to 4 days in advance, and offer a 2-day-advance forecasts for an additional 30 regions.

#### WHAT DOES IT TAKE TO GET GOOD RECEPTION?

Similar to wireless signals like the mobile phone network or Radio/TV broadcasts, it is possible that the Meteotime Weather Stations do not receive signals all the time and everywhere. The following are some tips you should follow by all means to make sure that your device works properly:

The location for Meteotime Weather Station is very important. For this reason we have equipped all of them with an innovation test function (the TEST button) which enables you test the quality of reception in your environment and to place the device where the best conditions prevail.

Try your reception by testing your Meteotime Weather Station as stated in the manual. To do this, in the room you want to install the device, please turn on all the potential sources of interference (for example, a TV set). Then put the Meteotime Weather Station in the place and direction you want it to be, but always at least in one meter from the potential source of interference.

Watch the symbol **GOOD RECEPTION** or **BAD RECEPTION** on the display. Once you have found the right location for **GOOD RECEPTION**, you may leave the Meteotime Weather Station there, it will collect its data by radio controlled signal. Within a few minutes time and the date will appear. However, the transfer of the very large amount of data (forecast for all regions and days) will take much longer. To completely receive all data will take up to 24 hours from the time of the initial setup.



This package comes with a main unit which is Meteotime Weather Station, and a remote outdoor Thermo-hygrometer sensor.

This Meteotime Weather Station has equipped the thermo-hygrometer sensor to measure the indoor temperature and humidity, and also has a wireless outdoor thermo-hygrometer sensor to measure the outdoor temperature and humidity.

#### Key Features:

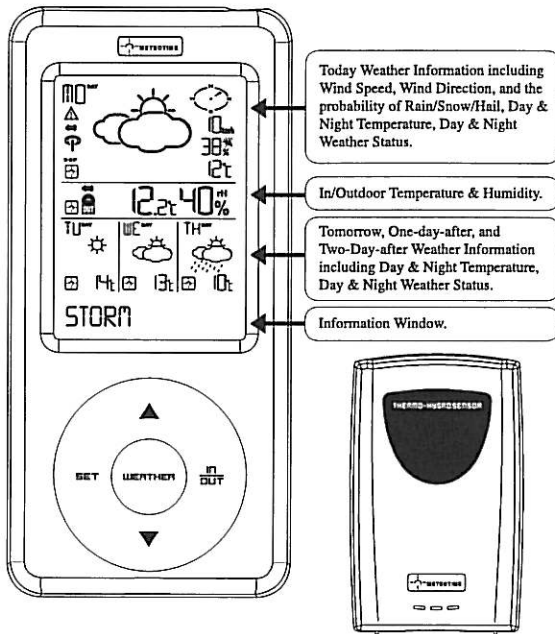
- Weather Status for today and coming three days for 272 cities
- Rain/Snow/Hail Probability for Today
- Wind Speed and Wind Direction for Today
- Single channel outdoor 433Mhz wireless Thermo-hygrometer
- Indoor Thermo-hygrometer
- Sunrise and sunset display
- Regional Day-time temperature and Night-time Temperature information  
Night-time temperature for the 4th day will not be displayed.
- Critical Weather Alert
- Radio-controlled Clock and Calendar
- Time-zone setting
- Blue Backlight
- Powered by Four AA batteries for main unit, and 2 AA batteries for the outdoor sensor

Meade Instruments Europe GmbH & Co. KG  
DE-46414 Rhede - Germany

## INTRODUCTION

The Meteotime Weather Station LCD display shows:

- Today Weather Information Window
- In/Outdoor Temperature & Humidity
- Tomorrow, One-day-after, and Two-day-after Weather Information
- Information Window which shows Time & Date, Sunrise & Sunset, Cities, and Critical Weather Information Description.



37

There are total 8 buttons on the Main Unit, namely:

### SET

- Selected City  $\leftrightarrow$  Time + Date  $\leftrightarrow$  Sunrise + Sunset
- Each press of [SET] will display the selected City, Time + Date or Sunrise + Sunset
- Press and HOLD [SET] for 3 second to select your <1> Country, <2> Time Zone, <3> Language, <4> Contrast of the LCD display

### WEATHER

Day/Night Weather Status Change

- ▲ increasing the value during setting
- Chose one of the pre-selected cities
- ▼ decreasing the value during setting
- Chose one of the pre-selected cities

### BACKLIGHT

- Turn-on backlight for 8 seconds. Any key pressed during backlight is ON, the backlight still turned on.

### MEM

- display the maximum and minimum measured Temperature in record
- Press and Hold for 3 second to clear all the Max. and Min. record

### TEST ✓

- Find the place for the device which has a good reception
- Add the city into the list of your desired cities

### OR

- Remove the city out of the list of desired Cities
- Edit your home town

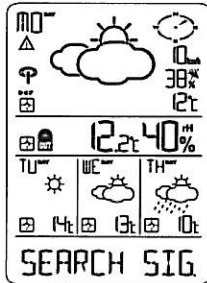
### IN/OUT

- Switch to read Indoor Thermo-hygrometer  $\leftrightarrow$  Outdoor Thermo-hygrometer
- Press and Hold for 3 second to force the main unit to search for the outdoor sensor

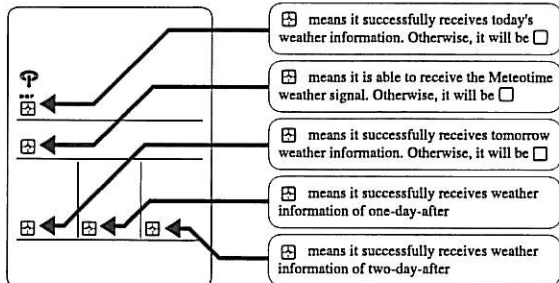
38

## GETTING START

- Insert 2 pcs AAA batteries for remote sensor, and then insert 4 pcs AA batteries for the main unit.
- The main unit will automatically scan for the radio-controlled clock signal and the Meteotime Weather signal.



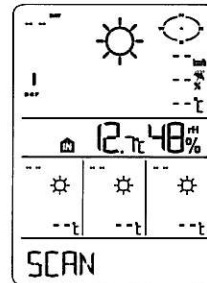
- The time and date will appear in a few minutes. Since there is a large amount of Weather information for all regions and days, the unit needs about 24 hours from the time of the initial setup to complete the reception of all data.
- After the time and the date signal is being received successfully, the display shows "SELECT COUNTRY" and then "FRANKFURT" as default city in the information window. To change the Country and the City please see the information below.
- If the unit is able to receive the Meteotime signal successfully, the Meteotime icon ☁ is appeared in the second row of display. Otherwise, the Meteotime will be ☐.



39

In the event the Meteotime icon change to ☐, that means there are potential sources of interference on the unit. The sources of interference may come from the electronics equipment such as TV-set, computers, household machines etc. It may also be due to lots of concrete, metal parts and electrical equipment in the building. It may also be due to your living area if it is very far away from the Radio-controlled clock tower.

- You are able to use the TEST function to look for a better location
- Press TEST button, SCAN is shown in the Information Window.



- Pick the unit to find a good location.
- ☁ flashing : The test is running and the Meteotime signal reception is good. You are able to leave the device in this position.
- ☐ flashing : The test is running and the Meteotime signal reception is poor. You need to keep on looking for a better location.
- The test lasted for around 1 minute. You can restart the test with the [ TEST ] key at any time, and also discontinue the test by press the TEST key.

### SWITCH CITY $\leftrightarrow$ SUNRISE & SUNSET TIME $\leftrightarrow$ TIME & DATE

- After inserting the batteries, the weather station searches for the Radio controlled Time signal as well as the Meteotime signal. After it has successfully received the Meteotime signal, the display shows in the information window "Select Country". After a few more minutes, the information windows the default city " FRANKFURT".
- You are able to press [ SET ] to switch from the display of the City to Sunrise & Sunset time OR Time & Date for Frankfurt am Main.

FRANKFURT  $\leftrightarrow$  [SET] 6 19 1938  $\leftrightarrow$  [SET] 1423 26 5

40

**SELECT THE COUNTRY AND CITY / CITIES**

- Press and Hold [ SET ] for 3 second, in the information window, COUNTRY is shown, and then press [ ▲ ] or [ ▼ ] key to select the country. For example, you have selected the country name such as D/GER means Germany will be shown in the information window.
  - Press [ SET ] key to confirm the Country (let's said we select Germany right now), and then the information window will show C I T Y.
  - Then, press [ ▲ ] or [ ▼ ] key to select the city, and the city name will be shown in the information window such as FRANKFURT means the city 'Frankfurt am Main'.
  - If the city 'Frankfurt am Main' is your selection, then press [ TEST √ ] key to confirm. A √ will be shown on top of your selected city, and it will be FRANKFURT and 'Frankfurt am Main' will store into your personal memory list.
  - Then, you are able to press [ ▲ ] or [ ▼ ] key to select more cities, and then press [ TEST √ ] key to confirm. You are able to select maximum FIVE cities to display. If you want to add more cities, then MEMFULL will show in the Information Window.
- OR
- press [ SET ] KEY to quit, and E X | T will shown at the information window.

**REMARK:** If you have skip the city selection in the first time you power up the unit, the product will default select Frankfurt am Main as your selected city.

**DISPLAY MORE CITIES INFORMATION.**

If you have selected more than one city, let said you have select Frankfurt am Main, Köln and Münster in your desired city list, then you are able to press [ ▲ ] or [ ▼ ] key when the Information Window shows the CITY NAME (Press SET until it displays the City Name).

FRANKFURT ←(▲/▼)→ KÖLN ←(▲/▼)→ MÜNSTER

**REMOVE YOUR SELECTED THE CITY / CITIES OUT OF MEMORY LIST**

- Press and Hold [ SET ] for 3 second, COUNTRY is shown in the Information Window, then press [ ▲ ] or [ ▼ ] key to select the country. For example, you have selected The country name such as D/GER means Germany.
- Press [ SET ] key to confirm the Country (let's said we select Germany right now), and then the information window will show C I T Y.
- Then, press [ ▲ ] or [ ▼ ] key to go to your selected city, let's said 'Frankfurt am Main', and then the FRANKFURT will show in the information window.
- Press [ TEST √ ] key to remove the √, and this city is successful to remove out of your list of preference cities you have selected.
- Then, you are able to press [ ▲ ] or [ ▼ ] key to select more cities, and then press [ TEST √ ] key to remove your selected cities. OR Press [ SET ] KEY to quit, and E X | T will shown at the information window. After 4 second, it will go to the City-Date-Time Mode.

**PERSONALIZED A PLACE NAME**

- Press and Hold [ SET ] for 3 second. In the information window, COUNTRY is shown, and then press [ ▲ ] or [ ▼ ] key to select the country. Let's said you have selected the country Germany which is represented in D/GER .
- Press [ SET ] key to confirm the Country (let's said we select Germany right now), and then the information window will show C I T Y.
- Then, press [ ▲ ] or [ ▼ ] key to select the city, and the city name will be shown in the information window such as FRANKFURT means the city 'Frankfurt am Main', and you would like to enter a new city which is near the region of Frankfurt am Main.
- Press the 'MEM' key ; a cursor flashes on the first position of the Information Window

Then following input commands then apply:

| KEY        | Function   |
|------------|--|
| '▲' or '▼' | Selection of a letter  |
| SET        | <L> Accept the selected letter and jumps to the next position. OR <R> If you have not entered any letter (in other words, if only the cursor is flashing at the last position), confirm the entry with this key and your place will also be included in the memory with immediate effect |
| TEST       | One position back in the data entry process  |

- \*\* The place that you have selected to enter your own description will still exist under its own name.
- Press [ SET ] key to confirm and exit

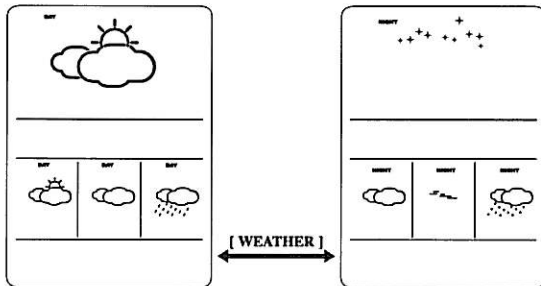
**SET THE TIME ZONE, LANGUAGE and CONTRAST**

- Press and Hold [ SET ] for 3 second, COUNTRY is shown in the Information Window.
- Press [ SET ] again, then ZONE #00HR is shown in the Information Window, press [ ▲ ] or [ ▼ ] key to adjust the time zone.
- Press [ SET ] again, then the LANGUAGE will be shown in the Information Window, press [ ▲ ] or [ ▼ ] key to select your desired language. There are total Seven Language for selection, namely German, English, Spanish, French, Italiano, Dutch, Swedish.
- Press [ SET ] again, then CONTRAST: 3 is shown in the Information Window, press [ ▲ ] or [ ▼ ] key to adjust the LCD contrast Level.
- Press [ SET ] again and E X | T will shown at the information window. After 4 second, it will go to the City-Date-Time Mode.

**REMARK:** If you do not have any selection into the Setup mode up to 60 seconds, it will automatically exit the setup mode. The Information Window will show City / Sunrise & Sunset Time / Time & Date.

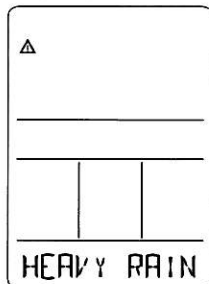
**SWITCH DAY WEATHER INFORMATION <- -> NIGHT WEATHER INFORMATION**

The device is able to base on the SUNRISE time and SUNSET time to automatically switch to DAY-WEATHER and NIGHT-WEATHER respectively. The unit is preset to show DAY-WEATHER after sunrise time, and NIGHT-WEATHER after SUNSET time. The user can press the [ WEATHER ] button to see the DAY-Weather (for 10-second period) if currently show the NIGHT-WEATHER, or vice versa.

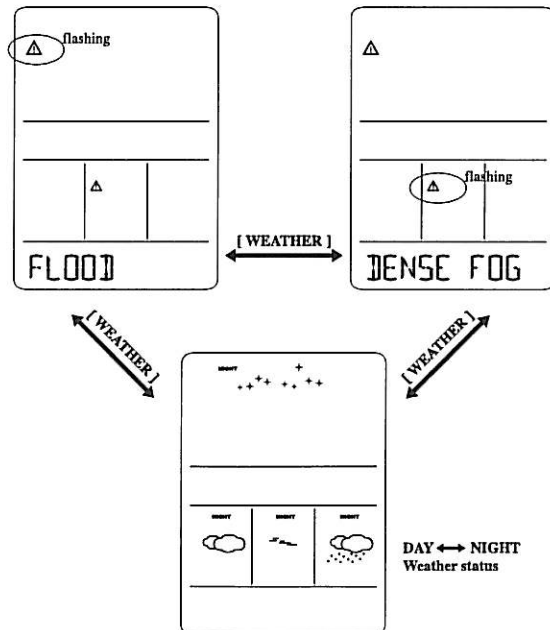


**CRITICAL WEATHER INFORMATION**

Meteorite Weather signal contains the Critical Weather Information such as Gust, Frozen Rain, Heavy Snow, Thunder, Strong UV, Dense Fog, Bise, Mistral, etc. for today and coming three days. A critical weather alert signal Δ will be turned on in case that day has critical weather that the user must know.



Sometimes there are more than one critical weather information in the 4-days. Press [ WEATHER ] key to read the critical weather information one by one. The special icon of the day will be flashed when you read the Information.



- Press [ SET ] key to go back to the display of CITY ↔ SUNRISE & SUNSET TIME ↔ TIME & DATE. If you would like to read the Weather Information in the information window, then press [ WEATHER ] Key to display DAY ↔ NIGHT Weather information and also the Critical Weather Information.

If no key is pressed, the critical weather information will be toggle to display, so as to make sure you are aware of the critical weather details.

**INDOOR / OUTDOOR TEMPERATURE AND HUMIDITY READING**

- Press [ IN/OUT ] keys to switch the reading of indoor or outdoor temperature and humidity reading 12.7C 48% ← [IN/OUT] → 32.2C 23%
- Press [ MEM ] key to read the record of the maximum and minimum temperature
- Press and Hold [ MEM ] key to CLEAR the record of the maximum and minimum temperature

**LINKING THE OUTDOOR THERMO-HYGROMETER SENSOR WITH MAIN UNIT IF SIGNAL LOSS.**

- If the Main unit cannot receive the outdoor sensor signal, the outdoor signal icon will change to .
- Press and Hold [ IN/OUT ] button for 3 second, and then the wave icon will be flashed. If the signal has been received again, the outdoor signal icon will be .

**BACKLIGHT**

- Press [ Light ] key to turn on the LCD backlight for 8 seconds.

**LOW-BATTERY INDICATOR**

- Low-battery indicator icon for main unit:
- Low-battery indicator icon for outdoor-transmitter:

| Significance           | Day | Night | Significance   | Day | Night |
|------------------------|-----|-------|----------------|-----|-------|
| Sunny (Clear at night) |     |       | Heavy Rain     |     |       |
| Light Cloudy           |     |       | Frontal Storms |     |       |
| Mostly Cloudy          |     |       | Heat Storms    |     |       |
| Overcast               |     |       | Sleet Showers  |     |       |
| Stratus Clouds         |     |       | Snow Showers   |     |       |
| Fog                    |     |       | Sleet          |     |       |
| Showers                |     |       | Snow           |     |       |
| Light Rain             |     |       |                |     |       |

**CITIES**

There are a total of 272 cities information included in memory. The cities of the name with \* will only have 2-day weather status.

| COUNTRY NAME           | COUNTRY NAME at Information Window | CITY NAME         | CITY NAME at Information Window | REGION |
|------------------------|------------------------------------|-------------------|---------------------------------|--------|
| ANDORRA                | ANDORRA                            | ANDORRALA VELLA*  | ANDLA VELLA*                    | 70     |
| BELGIQUE / BELGIË      | B/BELGIUM                          | ANTWERPEN         | ANTWERPEN                       | 6      |
| BELGIQUE / BELGIË      | B/BELGIUM                          | BRUXELLES/BRUSSEL | BRUSSEL                         | 6      |
| BELGIQUE / BELGIË      | B/BELGIUM                          | CHARLEROI         | CHARLEROI                       | 6      |
| BELGIQUE / BELGIË      | B/BELGIUM                          | LIEGE             | LIEGE                           | 6      |
| BELGIQUE / BELGIË      | B/BELGIUM                          | VERVIERS          | VERVIERS                        | 13     |
| ČESKO / CZECH REPUBLIC | CZ/CZ.REP                          | BRNO              | BRNO                            | 50     |
| ČESKO / CZECH REPUBLIC | CZ/CZ.REP                          | PLZEN             | PLZEN                           | 50     |
| ČESKO / CZECH REPUBLIC | CZ/CZ.REP                          | PRAHA             | PRAHA                           | 50     |
| ČESKO / CZECH REPUBLIC | CZ/CZ.REP                          | DEČIN             | DEČIN                           | 51     |
| DANMARK / DENMARK      | DK/DENMARK                         | ALBORG            | ALBORG                          | 20     |
| DANMARK / DENMARK      | DK/DENMARK                         | HERNING           | HERNING                         | 20     |
| DANMARK / DENMARK      | DK/DENMARK                         | ARHUS             | ARHUS                           | 21     |
| DANMARK / DENMARK      | DK/DENMARK                         | ODENSE            | ODENSE                          | 21     |
| DANMARK / DENMARK      | DK/DENMARK                         | KØBENHAVN         | KØBENHAVN                       | 23     |
| DEUTSCHLAND / GERMANY  | D / GER                            | FRANKFURT AM MAIN | FRANKFURIM                      | 12     |
| DEUTSCHLAND / GERMANY  | D / GER                            | KAISERSLAUTERN    | KAISERSLAU                      | 12     |
| DEUTSCHLAND / GERMANY  | D / GER                            | KARLSRUHE         | KARLSRUHE                       | 12     |
| DEUTSCHLAND / GERMANY  | D / GER                            | MANNHEIM          | MANNHEIM                        | 12     |
| DEUTSCHLAND / GERMANY  | D / GER                            | HAGEN             | HAGEN                           | 13     |
| DEUTSCHLAND / GERMANY  | D / GER                            | KOBLENZ           | KOBLENZ                         | 13     |
| DEUTSCHLAND / GERMANY  | D / GER                            | SIEGEN            | SIEGEN                          | 13     |
| DEUTSCHLAND / GERMANY  | D / GER                            | TRIER             | TRIER                           | 13     |
| DEUTSCHLAND / GERMANY  | D / GER                            | DORTMUND          | DORTMUND                        | 14     |
| DEUTSCHLAND / GERMANY  | D / GER                            | DUISBURG          | DUISBURG                        | 14     |
| DEUTSCHLAND / GERMANY  | D / GER                            | DÜSSELDORF        | DÜSSELDORF                      | 14     |
| DEUTSCHLAND / GERMANY  | D / GER                            | KÖLN              | KÖLN                            | 14     |
| DEUTSCHLAND / GERMANY  | D / GER                            | MÜNSTER           | MÜNSTER                         | 14     |
| DEUTSCHLAND / GERMANY  | D / GER                            | BREMERHAVEN       | BREMERHAVEN                     | 19     |
| DEUTSCHLAND / GERMANY  | D / GER                            | HAMBURG           | HAMBURG                         | 19     |
| DEUTSCHLAND / GERMANY  | D / GER                            | BREMEN            | BREMEN                          | 22     |
| DEUTSCHLAND / GERMANY  | D / GER                            | HANNOVER          | HANNOVER                        | 22     |
| DEUTSCHLAND / GERMANY  | D / GER                            | MAGDEBURG         | MAGDEBURG                       | 22     |
| DEUTSCHLAND / GERMANY  | D / GER                            | KIEL              | KIEL                            | 24     |
| DEUTSCHLAND / GERMANY  | D / GER                            | LÜBECK            | LÜBECK                          | 24     |
| DEUTSCHLAND / GERMANY  | D / GER                            | ROSTOCK           | ROSTOCK                         | 24     |
| DEUTSCHLAND / GERMANY  | D / GER                            | AUGSBURG          | AUGSBURG                        | 25     |
| DEUTSCHLAND / GERMANY  | D / GER                            | INGOLSTADT        | INGOLSTADT                      | 25     |

| COUNTRY NAME          | COUNTRY NAME at Information Window | CITY NAME              | CITY NAME at Information Window | REGION |
|-----------------------|------------------------------------|------------------------|---------------------------------|--------|
| DEUTSCHLAND / GERMANY | D / GER                            | REGENSBURG             | REGENSBURG                      | 25     |
| DEUTSCHLAND / GERMANY | D / GER                            | ULM                    | ULM                             | 25     |
| DEUTSCHLAND / GERMANY | D / GER                            | FRIEDRICHSHAFEN        | FRIEDRIHFN                      | 26     |
| DEUTSCHLAND / GERMANY | D / GER                            | KEMPTEN                | KEMPTEN                         | 26     |
| DEUTSCHLAND / GERMANY | D / GER                            | MÜNCHEN                | MÜNCHEN                         | 26     |
| DEUTSCHLAND / GERMANY | D / GER                            | BAYREUTH               | BAYREUTH                        | 28     |
| DEUTSCHLAND / GERMANY | D / GER                            | NÜRNBERG               | NÜRNBERG                        | 28     |
| DEUTSCHLAND / GERMANY | D / GER                            | WÜRZBURG               | WÜRZBURG                        | 28     |
| DEUTSCHLAND / GERMANY | D / GER                            | COTTBUS                | COTTBUS                         | 29     |
| DEUTSCHLAND / GERMANY | D / GER                            | DRESDEN                | DRESDEN                         | 29     |
| DEUTSCHLAND / GERMANY | D / GER                            | HALLE                  | HALLE                           | 29     |
| DEUTSCHLAND / GERMANY | D / GER                            | LEIPZIG                | LEIPZIG                         | 29     |
| DEUTSCHLAND / GERMANY | D / GER                            | EISENACH               | EISENACH                        | 30     |
| DEUTSCHLAND / GERMANY | D / GER                            | ERFURT                 | ERFURT                          | 30     |
| DEUTSCHLAND / GERMANY | D / GER                            | HOF                    | HOF                             | 30     |
| DEUTSCHLAND / GERMANY | D / GER                            | JENA                   | JENA                            | 30     |
| DEUTSCHLAND / GERMANY | D / GER                            | FLAUIEN                | FLAUIEN                         | 30     |
| DEUTSCHLAND / GERMANY | D / GER                            | ZWICKAU                | ZWICKAU                         | 30     |
| DEUTSCHLAND / GERMANY | D / GER                            | KONSTANZ               | KONSTANZ                        | 32     |
| DEUTSCHLAND / GERMANY | D / GER                            | FULDA                  | FULDA                           | 37     |
| DEUTSCHLAND / GERMANY | D / GER                            | GIESSEN                | GIESSEN                         | 37     |
| DEUTSCHLAND / GERMANY | D / GER                            | GÖTTINGEN              | GÖTTINGEN                       | 37     |
| DEUTSCHLAND / GERMANY | D / GER                            | KASSEL                 | KASSEL                          | 37     |
| DEUTSCHLAND / GERMANY | D / GER                            | FREIBURG               | FREIBURG                        | 45     |
| DEUTSCHLAND / GERMANY | D / GER                            | BERLIN                 | BERLIN                          | 52     |
| DEUTSCHLAND / GERMANY | D / GER                            | FRANKFURT AN DER ODER  | FRANKFURIO                      | 52     |
| DEUTSCHLAND / GERMANY | D / GER                            | NEUBRANDENBURG         | NEUBR.BURG                      | 52     |
| DEUTSCHLAND / GERMANY | D / GER                            | POTSDAM                | POTSDAM                         | 52     |
| DEUTSCHLAND / GERMANY | D / GER                            | DONAUESCHINGEN         | DONAUESCH                       | 57     |
| DEUTSCHLAND / GERMANY | D / GER                            | FREUDENSTADT           | FREUDENST                       | 57     |
| DEUTSCHLAND / GERMANY | D / GER                            | VILLINGEN-SCHWENNINGEN | VILL-SCHWE                      | 57     |
| DEUTSCHLAND / GERMANY | D / GER                            | HEILBRONN              | HEILBRONN                       | 59     |
| DEUTSCHLAND / GERMANY | D / GER                            | PFORZHEIM              | PFORZHEIM                       | 59     |
| DEUTSCHLAND / GERMANY | D / GER                            | STUTTGART              | STUTTGART                       | 59     |
| DEUTSCHLAND / GERMANY | D / GER                            | TÜBINGEN               | TÜBINGEN                        | 59     |
| EIRE / IRELAND        | IRELAND                            | GALWAY*                | GALWAY*                         | 75     |
| EIRE / IRELAND        | IRELAND                            | DUBLIN*                | DUBLIN*                         | 76     |
| ESPAÑA / SPAIN        | ES / SPAIN                         | MADRID*                | MADRID*                         | 64     |
| ESPAÑA / SPAIN        | ES / SPAIN                         | BILBAO*                | BILBAO*                         | 65     |
| ESPAÑA / SPAIN        | ES / SPAIN                         | PALMA DE MALLORCA*     | PALMA-D.MAL*                    | 67     |
| ESPAÑA / SPAIN        | ES / SPAIN                         | VALENCIA*              | VALENCIA*                       | 68     |
| ESPAÑA / SPAIN        | ES / SPAIN                         | BARCELONA*             | BARCELONA*                      | 69     |

| COUNTRY NAME   | COUNTRY NAME at Information Window | CITY NAME          | CITY NAME at Information Window | REGION |
|----------------|------------------------------------|--------------------|---------------------------------|--------|
| ESPAÑA / SPAIN | ES / SPAIN                         | SEVILLA*           | SEVILLA*                        | 71     |
| ESPAÑA / SPAIN | ES / SPAIN                         | GIJÓN*             | GIJÓN*                          | 74     |
| FRANCE         | FRANCE                             | BORDEAUX           | BORDEAUX                        | 0      |
| FRANCE         | FRANCE                             | BRIVE-LA-GAILLARDE | BRIVE-L-GA                      | 0      |
| FRANCE         | FRANCE                             | PAU                | PAU                             | 0      |
| FRANCE         | FRANCE                             | TOULOUSE           | TOULOUSE                        | 0      |
| FRANCE         | FRANCE                             | LA ROCHELLE        | LA ROCHELL                      | 1      |
| FRANCE         | FRANCE                             | LIMOGES            | LIMOGES                         | 1      |
| FRANCE         | FRANCE                             | POITERS            | POITERS                         | 1      |
| FRANCE         | FRANCE                             | LE MANS            | LE MANS                         | 2      |
| FRANCE         | FRANCE                             | PARIS              | PARIS                           | 2      |
| FRANCE         | FRANCE                             | REIMS              | REIMS                           | 2      |
| FRANCE         | FRANCE                             | TOURS              | TOURS                           | 2      |
| FRANCE         | FRANCE                             | TROYES             | TROYES                          | 2      |
| FRANCE         | FRANCE                             | BREST              | BREST                           | 3      |
| FRANCE         | FRANCE                             | NANTES             | NANTES                          | 3      |
| FRANCE         | FRANCE                             | RENNES             | RENNES                          | 3      |
| FRANCE         | FRANCE                             | CLERMONT-FERRAND   | CLERMONT-FE                     | 4      |
| FRANCE         | FRANCE                             | MONTLUCON          | MONTLUCON                       | 4      |
| FRANCE         | FRANCE                             | SAINT-ETIENNE      | ST-ETIENNE                      | 4      |
| FRANCE         | FRANCE                             | BEZIERS            | BEZIERS                         | 5      |
| FRANCE         | FRANCE                             | MONTPELLIER        | MONTPELLIE                      | 5      |
| FRANCE         | FRANCE                             | PERPIGNAN          | PERPIGNAN                       | 5      |
| FRANCE         | FRANCE                             | LILLE              | LILLE                           | 6      |
| FRANCE         | FRANCE                             | DIJON              | DIJON                           | 7      |
| FRANCE         | FRANCE                             | METZ               | METZ                            | 7      |
| FRANCE         | FRANCE                             | NANCY              | NANCY                           | 7      |
| FRANCE         | FRANCE                             | AVIGNON            | AVIGNON                         | 8      |
| FRANCE         | FRANCE                             | MARSEILLE          | MARSEILLE                       | 8      |
| FRANCE         | FRANCE                             | NIMES              | NIMES                           | 8      |
| FRANCE         | FRANCE                             | TOULON             | TOULON                          | 8      |
| FRANCE         | FRANCE                             | LYON               | LYON                            | 9      |
| FRANCE         | FRANCE                             | VALENCE            | VALENCE                         | 9      |
| FRANCE         | FRANCE                             | CHAMBERY           | CHAMBERY                        | 10     |
| FRANCE         | FRANCE                             | GRENOBLE           | GRENOBLE                        | 10     |
| FRANCE         | FRANCE                             | ANNECY             | ANNECY                          | 11     |
| FRANCE         | FRANCE                             | BESANCON           | BESANCON                        | 11     |
| FRANCE         | FRANCE                             | AMIENS             | AMIENS                          | 17     |
| FRANCE         | FRANCE                             | CAEN               | CAEN                            | 17     |
| FRANCE         | FRANCE                             | LE HAVRE           | LE HAVRE                        | 17     |
| FRANCE         | FRANCE                             | ROUEN              | ROUEN                           | 17     |
| FRANCE         | FRANCE                             | EVIAN              | EVIAN                           | 31     |

49

| COUNTRY NAME            | COUNTRY NAME at Information Window | CITY NAME  | CITY NAME at Information Window | REGION |
|-------------------------|------------------------------------|------------|---------------------------------|--------|
| FRANCE                  | FRANCE                             | CANNES     | CANNES                          | 43     |
| FRANCE                  | FRANCE                             | NICE       | NICE                            | 43     |
| FRANCE                  | FRANCE                             | BELFORT    | BELFORT                         | 45     |
| FRANCE                  | FRANCE                             | COLMAR     | COLMAR                          | 45     |
| FRANCE                  | FRANCE                             | MULHOUSE   | MULHOUSE                        | 45     |
| FRANCE                  | FRANCE                             | STRASBOURG | STRASBOURG                      | 45     |
| FRANCE                  | FRANCE                             | BASTIA*    | BASTIA*                         | 73     |
| HRVATSKA / CROATIA      | HRUCROATIA                         | ZAGREB*    | ZAGREB*                         | 87     |
| HRVATSKA / CROATIA      | HRUCROATIA                         | SPLIT*     | SPLIT*                          | 89     |
| ITALIA / ITALY          | I / ITALY                          | BOLZANO    | BOLZANO                         | 27     |
| ITALIA / ITALY          | I / ITALY                          | TRENTO     | TRENTO                          | 27     |
| ITALIA / ITALY          | I / ITALY                          | AOSTA      | AOSTA                           | 39     |
| ITALIA / ITALY          | I / ITALY                          | SESTRIERE  | SESTRIERE                       | 39     |
| ITALIA / ITALY          | I / ITALY                          | MILANO     | MILANO                          | 40     |
| ITALIA / ITALY          | I / ITALY                          | PARMA      | PARMA                           | 40     |
| ITALIA / ITALY          | I / ITALY                          | TORINO     | TORINO                          | 40     |
| ITALIA / ITALY          | I / ITALY                          | VERONA     | VERONA                          | 40     |
| ITALIA / ITALY          | I / ITALY                          | FIRENZE    | FIRENZE                         | 41     |
| ITALIA / ITALY          | I / ITALY                          | PISA       | PISA                            | 41     |
| ITALIA / ITALY          | I / ITALY                          | ROMA       | ROMA                            | 41     |
| ITALIA / ITALY          | I / ITALY                          | SIENA      | SIENA                           | 41     |
| ITALIA / ITALY          | I / ITALY                          | GENOVA     | GENOVA                          | 43     |
| ITALIA / ITALY          | I / ITALY                          | LA SPEZIA  | LA SPEZIA                       | 43     |
| ITALIA / ITALY          | I / ITALY                          | BOLOGNA    | BOLOGNA                         | 44     |
| ITALIA / ITALY          | I / ITALY                          | RIMINI     | RIMINI                          | 44     |
| ITALIA / ITALY          | I / ITALY                          | TRIESTE    | TRIESTE                         | 44     |
| ITALIA / ITALY          | I / ITALY                          | UDINE      | UDINE                           | 44     |
| ITALIA / ITALY          | I / ITALY                          | VENEZIA    | VENEZIA                         | 44     |
| ITALIA / ITALY          | I / ITALY                          | NAPOLI*    | NAPOLI*                         | 60     |
| ITALIA / ITALY          | I / ITALY                          | ANCONA*    | ANCONA*                         | 61     |
| ITALIA / ITALY          | I / ITALY                          | BARI*      | BARI*                           | 62     |
| ITALIA / ITALY          | I / ITALY                          | PALERMO*   | PALERMO*                        | 66     |
| ITALIA / ITALY          | I / ITALY                          | SASSARI*   | SASSARI*                        | 73     |
| LIECHTENSTEIN           | L / LICHTEN                        | VADUZ      | VADUZ                           | 48     |
| LUXEMBOURG              | LUX                                | LUXEMBOURG | LUXEMBOURG                      | 13     |
| MAGYAR / HUNGARY        | H / HUNGARY                        | GYÖR       | GYÖR                            | 49     |
| MAGYAR / HUNGARY        | H / HUNGARY                        | BUDAPEST*  | BUDAPEST*                       | 63     |
| MONACO                  | MONACO                             | MONACO     | MONACO                          | 43     |
| NEDERLAND / NETHERLANDS | NL / NETHERL                       | MAASTRICHT | MAASTRICHT                      | 6      |
| NEDERLAND / NETHERLANDS | NL / NETHERL                       | MIDDELBURG | MIDDELBURG                      | 6      |
| NEDERLAND / NETHERLANDS | NL / NETHERL                       | TERNEUZEN  | TERNEUZEN                       | 6      |
| NEDERLAND / NETHERLANDS | NL / NETHERL                       | DEN HELDER | DEN HELDER                      | 19     |

50

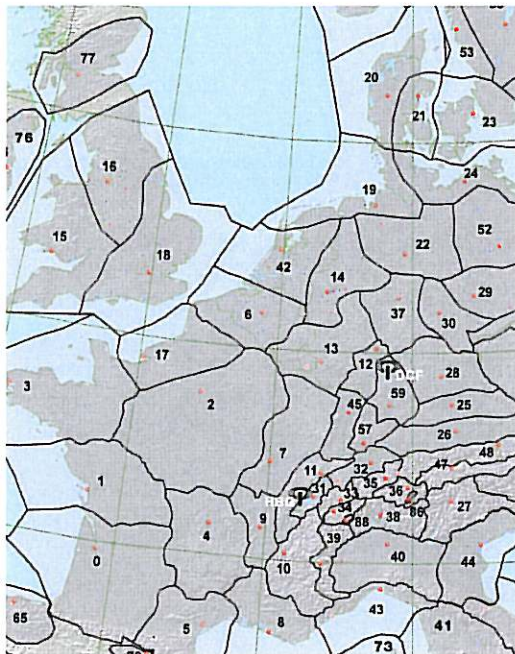
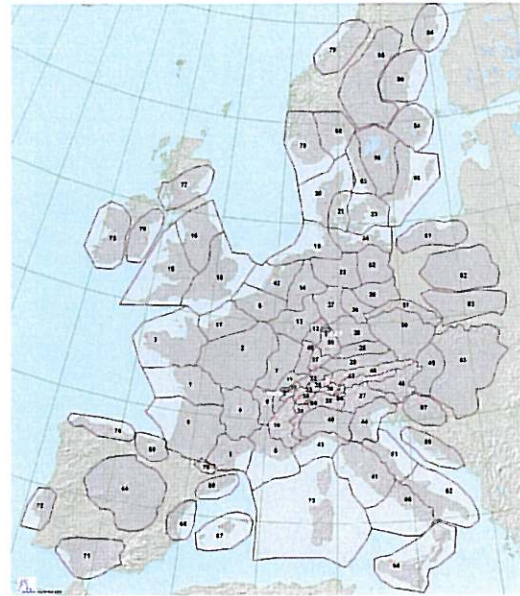
| COUNTRY NAME                | COUNTRY NAME at Information Window | CITY NAME         | CITY NAME at Information Window | REGION |
|-----------------------------|------------------------------------|-------------------|---------------------------------|--------|
| NEDERLAND / NETHERLANDS     | NL / NETHERL                       | GRONINGEN         | GRONINGEN                       | 19     |
| NEDERLAND / NETHERLANDS     | NL / NETHERL                       | LEEWARDEN         | LEEWARDEN                       | 19     |
| NEDERLAND / NETHERLANDS     | NL / NETHERL                       | TEXEL             | TEXEL                           | 19     |
| NEDERLAND / NETHERLANDS     | NL / NETHERL                       | AMSTERDAM         | AMSTERDAM                       | 42     |
| NEDERLAND / NETHERLANDS     | NL / NETHERL                       | ARNHEM            | ARNHEM                          | 42     |
| NEDERLAND / NETHERLANDS     | NL / NETHERL                       | ASSEN             | ASSEN                           | 42     |
| NEDERLAND / NETHERLANDS     | NL / NETHERL                       | DEN HAAG          | DEN HAAG                        | 42     |
| NEDERLAND / NETHERLANDS     | NL / NETHERL                       | EINDHOVEN         | EINDHOVEN                       | 42     |
| NEDERLAND / NETHERLANDS     | NL / NETHERL                       | HAARLEM           | HAARLEM                         | 42     |
| NEDERLAND / NETHERLANDS     | NL / NETHERL                       | LELYSTAD          | LELYSTAD                        | 42     |
| NEDERLAND / NETHERLANDS     | NL / NETHERL                       | ROTTERDAM         | ROTTERDAM                       | 42     |
| NEDERLAND / NETHERLANDS     | NL / NETHERL                       | S-HERTOGENBOSCH   | S-HERTOGENB                     | 42     |
| NEDERLAND / NETHERLANDS     | NL / NETHERL                       | UTRECHT           | UTRECHT                         | 42     |
| NEDERLAND / NETHERLANDS     | NL / NETHERL                       | ZWOLLE            | ZWOLLE                          | 42     |
| NORGE / NORWAY              | N / NORWAY                         | DRAMMEN           | DRAMMEN                         | 58     |
| NORGE / NORWAY              | N / NORWAY                         | FREDRIKSTAD       | FREDRIKST.                      | 58     |
| NORGE / NORWAY              | N / NORWAY                         | OSLO              | OSLO                            | 58     |
| NORGE / NORWAY              | N / NORWAY                         | TØNSBERG          | TØNSBERG                        | 58     |
| NORGE / NORWAY              | N / NORWAY                         | STAVANGER*        | STAVANGER*                      | 78     |
| NORGE / NORWAY              | N / NORWAY                         | TRONDHEIM*        | TRONDHEIM*                      | 79     |
| ÖSTERREICH / AUSTRIA        | AU / AUSTRIA                       | LINZ              | LINZ                            | 26     |
| ÖSTERREICH / AUSTRIA        | AU / AUSTRIA                       | GRAZ              | GRAZ                            | 46     |
| ÖSTERREICH / AUSTRIA        | AU / AUSTRIA                       | KLAGENFURT        | KLAGENFURT                      | 46     |
| ÖSTERREICH / AUSTRIA        | AU / AUSTRIA                       | INNSBRUCK         | INNSBRUCK                       | 47     |
| ÖSTERREICH / AUSTRIA        | AU / AUSTRIA                       | BREGENZ           | BREGENZ                         | 48     |
| ÖSTERREICH / AUSTRIA        | AU / AUSTRIA                       | SALZBURG          | SALZBURG                        | 48     |
| ÖSTERREICH / AUSTRIA        | AU / AUSTRIA                       | EISENSTADT        | EISENSTADT                      | 49     |
| ÖSTERREICH / AUSTRIA        | AU / AUSTRIA                       | WIEN              | WIEN                            | 49     |
| ÖSTERREICH / AUSTRIA        | AU / AUSTRIA                       | SANKT PÖLTEN      | STPÖLTEN                        | 50     |
| POLSKA / POLAND             | PL / POLAND                        | WALBRZYCH         | WALBRZYCH                       | 51     |
| POLSKA / POLAND             | PL / POLAND                        | GDANSK*           | GDANSK*                         | 81     |
| POLSKA / POLAND             | PL / POLAND                        | WARSZAWA*         | WARSZAWA*                       | 82     |
| POLSKA / POLAND             | PL / POLAND                        | KRAKOW*           | KRAKOW*                         | 83     |
| PORTUGAL                    | P / PORTUGAL                       | LISBOA*           | LISBOA*                         | 72     |
| SCHWEIZ / SUISSE / SVIZZERA | CH / SUISSE                        | DELEMONT          | DELEMONT                        | 11     |
| SCHWEIZ / SUISSE / SVIZZERA | CH / SUISSE                        | LA CHAUX-DE-FONDS | LA.CHAUX-DF                     | 11     |
| SCHWEIZ / SUISSE / SVIZZERA | CH / SUISSE                        | FRIBOURG          | FRIBOURG                        | 31     |
| SCHWEIZ / SUISSE / SVIZZERA | CH / SUISSE                        | GENEVE            | GENEVE                          | 31     |
| SCHWEIZ / SUISSE / SVIZZERA | CH / SUISSE                        | LAUSANNE          | LAUSANNE                        | 31     |
| SCHWEIZ / SUISSE / SVIZZERA | CH / SUISSE                        | MONTREUX          | MONTREUX                        | 31     |
| SCHWEIZ / SUISSE / SVIZZERA | CH / SUISSE                        | NEUCHÂTEL         | NEUCHÂTEL                       | 31     |
| SCHWEIZ / SUISSE / SVIZZERA | CH / SUISSE                        | AARAU             | AARAU                           | 32     |

51

| COUNTRY NAME                | COUNTRY NAME at Information Window | CITY NAME     | CITY NAME at Information Window | REGION |
|-----------------------------|------------------------------------|---------------|---------------------------------|--------|
| SCHWEIZ / SUISSE / SVIZZERA | CH / SUISSE                        | BERN          | BERN                            | 32     |
| SCHWEIZ / SUISSE / SVIZZERA | CH / SUISSE                        | BIEL/BIENNE   | BIENNE                          | 32     |
| SCHWEIZ / SUISSE / SVIZZERA | CH / SUISSE                        | FRAUENFELD    | FRAUENFELD                      | 32     |
| SCHWEIZ / SUISSE / SVIZZERA | CH / SUISSE                        | LUZERN        | LUZERN                          | 32     |
| SCHWEIZ / SUISSE / SVIZZERA | CH / SUISSE                        | SCHIAFFHAUSEN | SCHIAFFHAUS                     | 32     |
| SCHWEIZ / SUISSE / SVIZZERA | CH / SUISSE                        | SOLOTHURN     | SOLOTHURN                       | 32     |
| SCHWEIZ / SUISSE / SVIZZERA | CH / SUISSE                        | ZUG           | ZUG                             | 32     |
| SCHWEIZ / SUISSE / SVIZZERA | CH / SUISSE                        | ZÜRICH        | ZÜRICH                          | 32     |
| SCHWEIZ / SUISSE / SVIZZERA | CH / SUISSE                        | ADELBODEN     | ADELBODEN                       | 33     |
| SCHWEIZ / SUISSE / SVIZZERA | CH / SUISSE                        | GRINDELWALD   | GRINDELWALD                     | 33     |
| SCHWEIZ / SUISSE / SVIZZERA | CH / SUISSE                        | INTERLAKEN    | INTERLAKEN                      | 33     |
| SCHWEIZ / SUISSE / SVIZZERA | CH / SUISSE                        | BRIG          | BRIG                            | 34     |
| SCHWEIZ / SUISSE / SVIZZERA | CH / SUISSE                        | MARTIGNY      | MARTIGNY                        | 34     |
| SCHWEIZ / SUISSE / SVIZZERA | CH / SUISSE                        | SION          | SION                            | 34     |
| SCHWEIZ / SUISSE / SVIZZERA | CH / SUISSE                        | ALTDORF       | ALTDORF                         | 35     |
| SCHWEIZ / SUISSE / SVIZZERA | CH / SUISSE                        | GLARUS        | GLARUS                          | 35     |
| SCHWEIZ / SUISSE / SVIZZERA | CH / SUISSE                        | SARNEN        | SARNEN                          | 35     |
| SCHWEIZ / SUISSE / SVIZZERA | CH / SUISSE                        | SCHWYZ        | SCHWYZ                          | 35     |
| SCHWEIZ / SUISSE / SVIZZERA | CH / SUISSE                        | ST. GALLEN    | ST. GALLEN                      | 35     |
| SCHWEIZ / SUISSE / SVIZZERA | CH / SUISSE                        | STANS         | STANS                           | 35     |
| SCHWEIZ / SUISSE / SVIZZERA | CH / SUISSE                        | CHUR          | CHUR                            | 36     |
| SCHWEIZ / SUISSE / SVIZZERA | CH / SUISSE                        | DAVOS         | DAVOS                           | 36     |
| SCHWEIZ / SUISSE / SVIZZERA | CH / SUISSE                        | BELLINZONA    | BELLINZONA                      | 38     |
| SCHWEIZ / SUISSE / SVIZZERA | CH / SUISSE                        | LOCARNO       | LOCARNO                         | 38     |
| SCHWEIZ / SUISSE / SVIZZERA | CH / SUISSE                        | LUGANO        | LUGANO                          | 38     |
| SCHWEIZ / SUISSE / SVIZZERA | CH / SUISSE                        | BASEL         | BASEL                           | 45     |
| SCHWEIZ / SUISSE / SVIZZERA | CH / SUISSE                        | LESTAL        | LESTAL                          | 45     |
| SCHWEIZ / SUISSE / SVIZZERA | CH / SUISSE                        | SAMEDAN*      | SAMEDAN*                        | 86     |
| SCHWEIZ / SUISSE / SVIZZERA | CH / SUISSE                        | ZERMATT*      | ZERMATT*                        | 88     |
| SLOVENIA / SLOVENIA         | SLOVENIA                           | NOVA GORICA   | NOVA GORICA                     | 44     |
| SLOVENIA / SLOVENIA         | SLOVENIA                           | LJUBLJANA     | LJUBLJANA                       | 46     |
| SLOVENIA / SLOVENIA         | SLOVENIA                           | MARIBOR       | MARIBOR                         | 46     |
| SLOVENSKO / SLOVAKIA        | SLOVENIA                           | BRATISLAVA    | BRATISLAVA                      | 49     |
| SVERIGE / SWEDEN            | S / SWEDEN                         | MALMÖ         | MALMÖ                           | 23     |
| SVERIGE / SWEDEN            | S / SWEDEN                         | GÖTEBORG      | GÖTEBORG                        | 53     |
| SVERIGE / SWEDEN            | S / SWEDEN                         | HALMSTAD      | HALMSTAD                        | 53     |
| SVERIGE / SWEDEN            | S / SWEDEN                         | GÄVLE         | GÄVLE                           | 54     |
| SVERIGE / SWEDEN            | S / SWEDEN                         | STOCKHOLM     | STOCKHOLM                       | 54     |
| SVERIGE / SWEDEN            | S / SWEDEN                         | UPPSALA       | UPPSALA                         | 54     |
| SVERIGE / SWEDEN            | S / SWEDEN                         | VÄSTERAS      | VÄSTERAS                        | 54     |
| SVERIGE / SWEDEN            | S / SWEDEN                         | KALMAR        | KALMAR                          | 55     |
| SVERIGE / SWEDEN            | S / SWEDEN                         | LINKÖPING     | LINKÖPING                       | 55     |

52

| COUNTRY NAME            | COUNTRY NAME at Information Window | CITY NAME           | CITY NAME at Information Window | REGION |
|-------------------------|------------------------------------|---------------------|---------------------------------|--------|
| SVERIGE / SWEDEN        | S/SWEDEN                           | VISBY               | VISBY                           | 55     |
| SVERIGE / SWEDEN        | S/SWEDEN                           | BORAS               | BORAS                           | 56     |
| SVERIGE / SWEDEN        | S/SWEDEN                           | JÖNKÖPING           | JÖNKÖPING                       | 56     |
| SVERIGE / SWEDEN        | S/SWEDEN                           | KARLSTAD            | KARLSTAD                        | 56     |
| SVERIGE / SWEDEN        | S/SWEDEN                           | ÖREBRO              | ÖREBRO                          | 56     |
| SVERIGE / SWEDEN        | S/SWEDEN                           | SUNDSVALL*          | SUNDSVALL*                      | 80     |
| SVERIGE / SWEDEN        | S/SWEDEN                           | UMEÅ*               | UMEÅ*                           | 84     |
| SVERIGE / SWEDEN        | S/SWEDEN                           | ÖSTERSUND*          | ÖSTERSUND*                      | 85     |
| UNITED KINGDOM          | UK                                 | BRISTOL             | BRISTOL                         | 15     |
| UNITED KINGDOM          | UK                                 | PLYMOUTH            | PLYMOUTH                        | 15     |
| UNITED KINGDOM          | UK                                 | SWANSEA             | SWANSEA                         | 15     |
| UNITED KINGDOM          | UK                                 | BIRMINGHAM          | BIRMINGHAM                      | 16     |
| UNITED KINGDOM          | UK                                 | LIVERPOOL           | LIVERPOOL                       | 16     |
| UNITED KINGDOM          | UK                                 | MANCHESTER          | MANCHESTER                      | 16     |
| UNITED KINGDOM          | UK                                 | NEWCASTLE UPON TYNE | NEWCASTLE                       | 16     |
| UNITED KINGDOM          | UK                                 | SHEFFIELD           | SHEFFIELD                       | 16     |
| UNITED KINGDOM          | UK                                 | BRIGHTON            | BRIGHTON                        | 18     |
| UNITED KINGDOM          | UK                                 | CAMBRIDGE           | CAMBRIDGE                       | 18     |
| UNITED KINGDOM          | UK                                 | KINGSTON UPON HULL  | KINGSTON                        | 18     |
| UNITED KINGDOM          | UK                                 | LONDON              | LONDON                          | 18     |
| UNITED KINGDOM          | UK                                 | OXFORD              | OXFORD                          | 18     |
| UNITED KINGDOM          | UK                                 | BELFAST*            | BELFAST*                        | 76     |
| UNITED KINGDOM          | UK                                 | GLASGOW*            | GLASGOW*                        | 77     |
| VATICANO / VATICAN CITY | V/VATICANO                         | CITTA DEL VATICANO  | VATICANO                        | 41     |



**CRITICAL WEATHER MESSAGE IN 10 LETTERS SHORT FORM IN DIFFERENT LANGUAGES**

| ENGLISH                 | ENGLISH SHORT FORM IN INFORMATION WINDOW |
|-------------------------|--|
| HEAVY WEATHER           | HEAVY.WEATH.                             |
| HEAVY WEATHER DAY       | HEAVY.WEATH.                             |
| HEAVY WEATHER NIGHT     | HEAVY.WEATH.                             |
| STORM                   | STORM                                    |
| STORM DAYTIME           | DAY.STORM                                |
| STORM NIGHTTIME         | NIGHT.STORM                              |
| STRONG GUST DAYTIME     | DAY.GUST                                 |
| STRONG GUST NIGHTTIME   | NIGHT.GUST                               |
| FREEZING RAIN A.M.      | FROZEN.RAIN                              |
| FREEZING RAIN P.M.      | FROZEN.RAIN                              |
| FREEZING RAIN NIGHTTIME | FROZEN.RAIN                              |
| FINE PARTICLES PM10     | PARTICLES                                |
| OZONE                   | OZONE                                    |
| IRRADIATION             | IRRATE                                   |
| FLOOD                   | FLOOD                                    |
| DENSE FOG               | DENSE FOG                                |
| HEAVY RAIN              | HEAVY RAIN                               |
| HEAVY RAIN              | HEAVY RAIN                               |
| HEAVY SNOWFALL          | HEAVY SNOW                               |
| HEAVY THUNDERSTORM      | THUNDER                                  |
| STRONG UV               | STRONG UV                                |
| DENSE FOG DAYTIME       | DENSE FOG                                |
| HEAVY RAIN DAYTIME      | RAIN                                     |
| HEAVY RAIN DAYTIME      | RAIN                                     |
| HEAVY SNOWFALL DAYTIME  | HEAVY SNOW                               |
| THUNDERSTORM DAYTIME    | THUNDER                                  |
| DENSE FOG NIGHTTIME     | DENSE FOG                                |
| HEAVY RAIN NIGHTTIME    | HEAVY RAIN                               |
| HEAVY RAIN NIGHTTIME    | HEAVY RAIN                               |
| HEAVY SNOWFALL NIGHT    | HEAVY SNOW                               |
| THUNDERSTORM NIGHTTIME  | THUNDER                                  |
| FOEHN                   | FOEHN                                    |
| BISE                    | BISE                                     |
| MISTRAL                 | MISTRAL                                  |
| SCIROCCO                | SCIROCCO                                 |
| TRAMONTANA              | TRAMONTANA                               |

| GERMAN                   | GERMAN SHORT FORM IN INFORMATION WINDOW |
|--------------------------|---|
| SCHWERES WETTER          | UNWETTER                                |
| SCHWERES WETTER TAG      | UNWETTER_T                              |
| SCHWERES WETTER NACHT    | UNWETTER_N                              |
| STURM                    | STURM                                   |
| STURM AM TAGE            | STURM.TAG                               |
| STURM NACHTS             | STURM.NACHT                             |
| AM TAG BÖIGER WIND       | WINDBÖET                                |
| NACHTS BÖIGER            | WIND WINDBÖEN                           |
| EISREGEN VORMITTAGS      | EISREGEN                                |
| EISREGEN NACHMITTAGS     | EISREGEN                                |
| EISREGEN NACHTS          | EISREGEN                                |
| FEINSTAUB PM10           | FEINSTAUB                               |
| OZON                     | OZON                                    |
| RADIOAKTIVE STRAHLUNG    | RA. STRAHL.                             |
| HOCHWASSER               | HOCHWASSER                              |
| DICHTER NEBEL            | NEBEL                                   |
| STARKE REGENFÄLLE        | ST. REGEN                               |
| STARKE NIEDERSCHLÄGE     | ST. NIEDERS.                            |
| STARKE SCHNEEFÄLLE       | ST. SCHNEE                              |
| STARKE GEWITTER          | ST.GEWITTER                             |
| STARKE UV-STRABLUNG      | ST. UV-STR.                             |
| TAGS DICHTER NEBEL       | NEBEL_T                                 |
| TAGS STARKER REGEN       | REGEN_T                                 |
| TAGS STARKER NIEDERSCHL. | NIEDERS_T                               |
| TAGS STARKE SCHNEEFÄLLE  | ST.SCHNEE_T                             |
| TAGS STARKE GEWITTER     | GEWITTER_T                              |
| NACHTS DICHTER NEBEL     | NEBEL_N                                 |
| NACHTS STARKER REGEN     | REGEN_N                                 |
| NACHTS STARK NIEDERSCHL. | NIEDERS_N                               |
| NACHTS STARK SCHNEEFÄLLE | ST.SCHNEE_N                             |
| NACHTS STARKE GEWITTER   | GEWITTER_N                              |
| FÖHN                     | FÖHN                                    |
| BISE                     | BISE                                    |
| MISTRAL                  | MISTRAL                                 |
| SCIROCCO                 | SCIROCCO                                |
| TRAMONTANA               | TRAMONTANA                              |

57

| DUTCH (NIEDERLANDISCH)  | DUTCH SHORT FORM IN INFORMATION WINDOW |
|-------------------------|--|
| ZWAAR WEER              | ZWAAR WEER                             |
| ZWAAR WEER OVERDAG      | ZW WEER_D                              |
| ZWAAR WEER'S NACHTS     | ZW WEER_N                              |
| STORM                   | STORM                                  |
| STORM OVERDAG           | STORM_D                                |
| STORM'S NACHTS          | STORM_N                                |
| WINDSTOTEN OVERDAG      | WINDST_D                               |
| WINDSTOTEN'S NACHTS     | WINDST_N                               |
| IJZEL IN DE OCHTEND     | IJZEL_O                                |
| IJZEL IN DE MIDDAG      | IJZEL_M                                |
| IJZEL IN DE NACHT       | IJZEL_N                                |
| FUNE DEELTJES PM10      | FUNSTOF                                |
| OZON                    | OZON                                   |
| RADIOACTIEVE STRALING   | RAD ACT ST                             |
| HOOGWATER               | HOOGWATER                              |
| DICHTE MIST             | D MIST                                 |
| ZWARE REGEN             | ZW REGEN                               |
| ZWARE NEERSLAG          | ZW REGEN                               |
| ZWARE SNEEUWVAL         | ZW SNEEUW                              |
| ZWARE ONWEERSBUIEN      | ZW ONWEER                              |
| STERKE UV STRALING      | ST UV STR                              |
| DICHTE MIST OVERDAG     | D MIST_O                               |
| ZWARE REGEN OVERDAG     | ZW REGEN_O                             |
| ZWARE NEERSLAG OVERDAG  | ZW REGEN_O                             |
| ZWARE SNEEUWVAL OVERDAG | ZW SNEEUW                              |
| ZWAAR ONWEER OVERDAG    | ZW ONWEER                              |
| DICHTE MIST'S NACHTS    | D MIST_N                               |
| ZWARE REGEN'S NACHTS    | ZW REGEN_N                             |
| ZWARE NEERSLAG'S NACHTS | ZW REGEN_N                             |
| ZWARE SNEEUW'S NACHTS   | ZW SNEEUW                              |
| ZWAAR ONWEER'S NACHTS   | ZW ONWEER                              |
| FÖHN                    | FÖHN                                   |
| BISE                    | BISE                                   |
| MISTRAL                 | MISTRAL                                |
| SCIROCCO                | SCIROCCO                               |
| TRAMONTANA              | TRAMONTANA                             |

58

| SPANISH                 | SPANISH SHORT FORM IN INFORMATION WINDOW |
|-------------------------|--|
| AVISO METEOROLOGICO     | AVIS_METEO                               |
| AVISO METEOROLOGICO DIA | AVIS.MET_D                               |
| AVISO METEOROLOG. NOCHE | AVIS.MET_N                               |
| TEMPORAL                | TEMPORAL                                 |
| TEMPORAL DIA            | TEMPORAL_D                               |
| TEMPORAL POR LA NOCHE   | TEMPORAL_N                               |
| RACHAS FUERTES DIA      | RACHAS_F_D                               |
| RACHAS FUERTES NOCHE    | RACHAS_F_N                               |
| LLUVIA HELADA MANANA    | LLUV.HEL_M                               |
| LLUVIA HELADA TARDE     | LLUV.HEL_T                               |
| LLUVIA HELADA NOCHE     | LLUV.HEL_N                               |
| POLVO FINO PM10         | POLVO_FINO                               |
| OZONO                   | OZONO                                    |
| RADIACION RADIOACTIVA   | RADIA.RADIO                              |
| INUNDACION              | INUNDACION                               |
| NIEBLA DENSA            | NIEB_DENSA                               |
| LLUVIAS FUERTES         | LLUVIAS_F                                |
| PRECIPITACIONES FUERTES | PRECIPT.FU                               |
| NEVADAS FUERTES         | NEVAD.FUER                               |
| TORMENTAS FUERTES       | TORMENT_FU                               |
| RADIACION UV FUERTE     | RAD_UV.FUE                               |
| NIEBLA DENSA DIA        | NIEB.DEN_D                               |
| LLUVIA FUERTE DIA       | LLUV.FUE_D                               |
| PRECIPITAC. FUERTES DIA | PRECIP.F_D                               |
| NEVADAS FUERTES DIA     | NEV.FUER_D                               |
| TORMENTA FUERTE DIA     | TORMEN.F_D                               |
| NIEBLA DENSA NOCHE      | NIEB.DEN_N                               |
| LLUVIA FUERTE NOCHE     | LLUV.FUE_N                               |
| PRECIPIT. FUERTES NOCHE | PRECIP.F_N                               |
| NEVADA FUERTE NOCHE     | NEV.FUER_N                               |
| TORMENTA FUERTE NOCHE   | TORMEN.F_N                               |
| FOEHN                   | FOEHN                                    |
| BISE                    | BISE                                     |
| MISTRAL                 | MISTRAL                                  |
| SCIROCCO                | SCIROCCO                                 |
| TRAMONTANA              | TRAMONTANA                               |

59

| ITALIAN                     | ITALIAN SHORT FORM IN INFORMATION WINDOW |
|-----------------------------|--|
| CONDIZIONI DIFFICILI        | COND ESTR                                |
| CONDIZIONI DIFFICILI GIORNO | COND EST G                               |
| CONDIZIONI DIFFIC. NOTTE    | COND EST N                               |
| TEMPESTA                    | TEMPESTA                                 |
| TEMPESTA DIURNA             | TPS DIURNA                               |
| TEMPESTA NOTT.              | TPS NOTT.                                |
| FORTI RAFFICHE DIURNE       | RAFF.DIURN                               |
| FORTI RAFFICHE NOTT.        | RAFF.NOTT                                |
| PIOGGIA GELIDA MATT.        | NEVISCHIO                                |
| PIOGGIA GELIDA POMERID.     | NEVISCHIO                                |
| PIOGGIA GELIDA NOTT.        | NEVISCHIO                                |
| POLVERI FINI RESPIRAB.      | POLV.FINI                                |
| OZONO                       | OZONO                                    |
| RADIOATTIVITA               | RADIAZIONI                               |
| INONDAZIONE                 | INONDAZ.                                 |
| FITTA NEBBIA                | NEBBIA                                   |
| FORTE PIOGGIA               | PIOGGIA                                  |
| FORTI PRECIPIT.             | PRECIP INT                               |
| FORTE NEVICATA              | NEVICATA                                 |
| FORTE TEMPORALE             | TEMPORALE                                |
| FORTI IRRADIAZIONI UV       | HIGH UV                                  |
| FITTA NEBBIA DIURNA         | NEBBIA DR                                |
| FORTE PIOGGIA DIURNA        | PIOGGIA DR                               |
| FORTI PRECIPITAZ. DIUR.     | PRECIP INT                               |
| TEMPESTA DI NEVE DIURNA     | TPS NEVE D                               |
| FORTE TEMPORALE DIURNO      | TPR DIURNO                               |
| FITTA NEBBIA NOTT.          | NEBBIA NOT                               |
| FORTE PIOGGIA NOTT.         | PIOGGIA N                                |
| FORTI PRECIPITAZ. NOTT.     | TPR NOTT                                 |
| FORTE NEVICATA NOTT.        | NEVE INT                                 |
| FORTE TEMPORALE NOTT.       | TPR NOTT                                 |
| FOEHN                       | FOEHN                                    |
| BISE                        | BISE                                     |
| MISTRAL                     | MAESTRALE                                |
| SCIROCCO                    | SCIROCCO                                 |
| TRAMONTANA                  | TRAMONTANA                               |

60

| FRENCH                  | FRENCH SHORT FORM IN INFORMATION WINDOW | SWEDISH SHORT FORM IN INFORMATION WINDOW |
|-------------------------|---|--|
| TEMPS LOURD             | TEMPS.LOURD                             | KRIT. VÅDER                              |
| TEMPS LOURD JOUR        | TEMPS.LOURD KRI.                        | KRI. VÅD. D                              |
| TEMPS LOURD NUIT        | TEMPS.LOURD KRI.                        | KRI. VÅD. N                              |
| TEMPETE                 | TEMPETE                                 | STORM                                    |
| TEMPETE JOUR            | TEMPETE                                 | STORM D                                  |
| TEMPETE NUIT            | TEMPETE                                 | STORM N                                  |
| RAFALES VIOLENTES JOUR  | VIOLENTES                               | VINDBYAR D                               |
| RAFALES VIOLENTES NUIT  | VIOLENTES                               | VINDBYAR N                               |
| PLUIE VERGLACANTE MATIN | PLUIE_VER                               | IS/REGN FM                               |
| PLUIE VERGLA.APRES-MIDI | PLUIE_VER                               | IS/REGN EM                               |
| PLUIE VERGLACANTE NUIT  | PLUIE_VER                               | IS/REGN N                                |
| POUSSIERE FINE PM10     | FINE_PM10                               | STOFT PM10                               |
| OZONE                   | OZONE                                   | OZON                                     |
| IRRADIATION             | IRRATE STRALNING                        | STRALNING                                |
| INONDATION              | INONDATION FLOD                         | FLOD                                     |
| BROUILLARD EPAIS        | BROUILLARD                              | TÅTDIMMA                                 |
| FORTE PLUIE             | FORTE.PLUIE                             | KRAFT.REGN                               |
| FORTE PLUIE             | FORTE.PLUIE                             | KRAFT.REGN                               |
| FORTE CHUTE NEIGE       | FORTE.NEIGE                             | KR. SNÖFALL                              |
| ORAGE VIOLENT           | ORAGE VOIL.                             | KRAFT.ASKV                               |
| FORTE IRRADIATION UV    | FORTE UV                                | HÖG UV STR                               |
| BROUILLARD EPAIS JOUR   | BROUILL_J                               | TÅTDIMMA D                               |
| FORTE PLUIE JOUR        | FORTE.PLU_J                             | KR.REGN D                                |
| FORTE PRECIPIT. JOUR    | FORTE.PRE_J                             | KR.REGN D                                |
| FORTE CHUTE NEIGE JOUR  | FORTE.NEIGE                             | KR. SNÖ D                                |
| ORAGE VIOLENT JOUR      | ORAGE                                   | ASKVÅDER                                 |
| BROUILLARD EPAIS NUIT   | BROUILL_N                               | TÅTDIMMA N                               |
| FORTE PLUIE NUIT        | FORTE.PLU_N                             | KR. REGN N                               |
| FORTE PLUIE NUIT        | FORTE.PLU_N                             | KR. REGN N                               |
| FORTE CHUTE NEIGE NUIT  | FORTE.NEI_N                             | KR. SNÖ N                                |
| ORAGE VIOLENT NUIT      | ORAGE_N                                 | ASKVÅDER                                 |
| FOEHN                   | FOEHN                                   | FÖHN                                     |
| BISE                    | BISE                                    | BISE                                     |
| MISTRAL                 | MISTRAL                                 | MISTRAL                                  |
| SCIROCCO                | SCIROCCO                                | SCIROCCO                                 |
| TRAMONTAGNE             | TRAMONTAGN                              | TRAMONTANA                               |

61

## SETUP MANUL IN 10 LETTERS SHORT FORM IN DIFFERENT LANGUAGES

| ENGLISH           | ENGLISH SHORT FORM IN INFORMATION WINDOW |
|-------------------|--|
| SEARCH SIGNAL     | SEARCH SIG.                              |
| SELECT CITY       | CITY                                     |
| SELECT COUNTRY    | COUNTRY                                  |
| TIME ZONE         | ZONE                                     |
| HOURS             | HR                                       |
| RECEPTION TEST    | SCAN                                     |
| CONTRAST          | CONTRAST.                                |
| MEMORY FULL       | MEM.FULL                                 |
| EXIT SETMODE EXIT | EINSTELLUNG VORGENOMMEN                  |

| GERMAN           | GERMAN SHORT FORM IN INFORMATION WINDOW |
|------------------|---|
| SUCHE SIGNAL     | SUCHE SIG.                              |
| STADT EINSTELLEN | STADT.EINST.                            |
| LAND EINSTELLEN  | LAND EINST.                             |
| ZEITZONE         | ZONE                                    |
| STUNDEN          | H                                       |
| EMPFANGSTEST     | EMPF. TEST                              |
| KONTRAST         | KONTRAST.                               |
| SPEICHER VOLL    | SPEICHER_V                              |
| EINST.           | VORG.                                   |

| DUTCH (NIEDERLANDISCH) | DUTCH SHORT FORM IN INFORMATION WINDOW |
|------------------------|--|
| SIGNAAL ZOEKEN         | SIGN ZKN                               |
| STAD INSTELLEN         | STAD INST                              |
| LAND INSTELLEN         | LAND INST                              |
| TIJD ZONE              | ZONE                                   |
| UREN                   | HR                                     |
| SIGNAAL TEST           | SIGN TEST                              |
| DISPLAY CONTRAST       | CONTRAST.                              |
| GEHEUGEN VOL           | GEH VOL                                |
| INSTELLEN VERLATEN     | INST VERL                              |

62

| SPANISH               | SPANISH SHORT FORM IN INFORMATION WINDOW |
|-----------------------|--|
| BUSCAR UNA SENAL      | BUSCAR.SEN                               |
| SELECCIONAR LA CIUDAD | SELEC.CIUD                               |
| SELECCIONAR EL PAIS   | SELEC.PAIS                               |
| ZONA HORARIA          | ZONA                                     |
| HORAS                 | HR                                       |
| PRUEBA DE RECEPCION   | PRUEB.REC                                |
| CONTRAST              | CONTRAST.                                |
| MEMORIA POR COMPLETO  | MEMO_COMP                                |
| AJUSTE REALIZADO      | AJUST.REAL                               |

| ITALIAN            | ITALIAN SHORT FORM IN INFORMATION WINDOW |
|--------------------|--|
| RICERCA SEGNALE    | SEARCH                                   |
| SCelta DELLA CITTA | S.CITTA'                                 |
| SCelta DEL PAESE   | S.PAESE                                  |
| ZONA ORARIA        | ZONA                                     |
| ORE                | HR                                       |
| PROVA RICEZIONE    | PROVA RX.                                |
| CONTRASTO          | CONTRST.                                 |
| MEMORIA PIENA      | MEM.PIENA                                |
| REGOLAZIONE FATTA  | SALVATO                                  |

| FRENCH            | FRENCH SHORT FORM IN INFORMATION WINDOW | SWEDISH SHORT FORM IN INFORMATION WINDOW |
|-------------------|---|--|
| CHERCHE SIG       | CHERCHE.SIG                             | SÖK SIGNAL                               |
| CHOIX DE LA VILLE | CHOIX_VILL                              | VÄLJ STAD                                |
| CHOIX DU PAYS     | CHOIX_PAYS                              | VÄLJ LAND                                |
| FUSEAU Horaire    | FUSEAU                                  | ZONE                                     |
| HRs               | H                                       | HR                                       |
| TEST DE RECEPTION | TEST_REC                                | MOTT. TEST                               |
| CONTRASTE         | CONTRASTE.                              | KONTRAST.                                |
| MEMOIRE PLEINE    | MEM.PLEIN                               | MEM. FULLT                               |
| REGLAGE EFFECTUE  | REGLAGE.EFF                             | EXIT SETM.                               |

63

## SPECIFICATION ON IN/OUTDOOR TEMPERATURE AND HUMIDITY MEASUREMENT

|   |                                     |
|---|-------------------------------------|
| Temperature Display Range                 | : -40 degree C to 70 degree C       |
| Temperature Resolution                    | : 0.1 degree C                      |
| Temperature Operating Range (Main Unit)   | : -5 degree C to +50 degree C       |
| Temperature Operating Range (Sensor Unit) | : -20 degree C to +60 degree C      |
| Temperature Accuracy                      | : +/- 1 degree C                    |
| Humidity Display Range                    | : R.H. 1% to 99%                    |
| Humidity Resolution                       | : 1%                                |
| Humidity Accuracy                         | : +/- 5% (within 25% - 80% at 25 C) |
| RF Transmission Frequency                 | : 433 Mhz                           |
| RF Transmission range                     | : Maximum 30 meters (Open Area)     |

Main Unit is powered by AA batteries x 4 pcs.

Outdoor Thermo-hygrometer is powered by AA batteries x 2 pcs.

## EC-DECLARATION OF CONFORMITY

Product : BRESSER 4Cast Weather Station

This product contains the approved transmitter and complies with the essential requirements of Article 3 of the R&TTE 1999/5/EC Directives, if used for its intended use and that the following standard(s) has/have been applied:

Efficient use of radio frequency spectrum  
(Article 3.2 of the R&TTE Directive)  
EN 300 220-2,V2.1.1:2006  
EN 300 330-2,V1.3.1:2006

Electromagnetic compatibility  
(Article 3.1.b of the R&TTE Directive)  
EN 301 489-03,V1.4.1:2002  
EN 301 489-1,V1.6.1:2005

Electromagnetic compatibility  
(Article 3.1.a of the R&TTE Directive)  
EN 50371:2002

Low voltage directive  
applied standard(s)

EN 60950-1:2001

## Additional information:

The product is therefore conform with the Low Voltage Directive 73/23/EC, the EMC Directive 89/336/EC and R&TTE Directive 1999/5/EC (appendix II) and carries the respective CE marking.

RTTE Compliant Countries :  
All EU countries, Switzerland CH

64