





# Instruction manual

Thank you for buying AN-PL6029. In order to fully master all functions, please kindly read the IM before using.

## 1. Main function:





- Radio controlled clock for DCF77
- 8 keys of 'SET', '▲', '▼', '▶', '☰', Ch, Mem, Snooze/light
- 6 digits to display hour, minute and second.
- Indoor and outdoor temperature display in °C/°F.
- Trend of indoor and outdoor temperature display.
- Upper limit and lower limit alert function for Indoor/outdoor temperature
- Memory for Max. or Min. indoor temperature and humidity.
- Memory Max and Min value for outdoor temperature.
- Time is 12/24 format.
- Week display in 7 languages of English, German, French, Italian, Spanish, Dutch and Danish.
- Single alarm
- Daily alarm and snooze function
- 3 levels comfort indication.
- 3 RF wireless channels (1 piece outdoor sensor included)
- RCC receive mode in DCF.
- World time zone setting of -12/+12.
- Daylight saving time function
- 8 kinds of moon phrase
- LED backlight
- Indoor temperature: 0°C (32°F) to 50°C (122°F)
- Indoor humidity 20% to 95%.
- Outdoor temperature: -20°C (-4°F) to 60°C (140°F)
- Transmission range: 30m
- Low battery detector for indoor and outdoor unit
- Requires 2\*AA batteries
- Transmitter: 2\*AA batteries

## 2. Key controlling function

| Function controlling      |       | SET             |  |  |  | LIGHT/SNOOZE | Ch                       |  | Mem   |
|---------------------------|-------|-----------------|---|---|---|--------------|--------------------------|---|---|
| Standard mode             | Press | ---             | On/off ALARM  | 12H/24H switch  | °C/°F   | SNOOZE mode  | Switch between CH1, 2, 3 | On/off alert function   | MAX/MIN   |
|                           | HOLD  | CLOCK setting   | ALARM setting   | ---   | ---   | ---          | Register present channel | Temperature limit setting   | Clear max/min memory for temperature and humidity |
| Time setting              | press | Confirm setting | ---   | Ahead by one step   | Back by one step  | BACK LIGHT   | ---                      | ---   | ---   |
|                           | HOLD  | ---             | ---   | Ahead by 8 steps/sec.   | Back by 8 steps/sec.  | ---          | ---                      | ---   | ---   |
| Alarm setting             | press | ---             | Confirm setting   | Ahead by one step   | Back by one step  | BACK LIGHT   | ---                      | ---   | ---   |
|                           | HOLD  | ---             | ---   | Ahead by 8 steps/sec.   | Back by 8 steps/sec.  | ---          | ---                      | ---   | ---   |
| Temperature alert setting | Press | ---             | ---   | Ahead by one step   | Back by one step  | BACK LIGHT   | Choose the channel       | Confirm setting   | ---   |
|                           | HOLD  | ---             | ---   | Ahead by 8 steps/sec.   | Back by 8 steps/sec.  | ---          | ---                      | ---   | ---   |

### 3. Operation

#### 3.1 Common mode

- Hold SET to time setting
- Press  to turn on/off alarm.
- Hold  more than 2 seconds to alarm setting mode
- Press  to switch between 12/24 hours.
- Press  to switch between °C/°F

- Hold ▼ more than 2 seconds to RCC receiving mode
- Press MEM to check max./min. value of temperature and humidity.
- Hold MEM more than 2 seconds to clear all memory for temperature and humidity
- Press ☰ to turn on/off temperature
- Hold ☰ more than 2 seconds to temperature alert setting mode.
- Press CH to choose RF channel in order of CH1→CH2→CH3→CH1
- Hold CH more than 2 seconds to register present channel.
- Press SNOOZE/LIGHT to turn on backlight for 5 seconds.
- In RCC receiving state, hold ▼ more than 2 seconds to exit RCC receiving mode.
- When alarming, press SNOOZE/LIGHT once into 5 minutes snooze mode.

### 3.2. Time setting

- Hold SET more than 2 seconds to time setting and setting item will be twinkling by 1 HZ.
- Setting order is year, month, day, language, hour, minute and OFFSET. Exit when finish.
- Press ▲ to be ahead by one step and hold more than 2 seconds to be ahead by 8 steps/second.
- Press ▼ to back by one step and hold more than 2 seconds to back by 8 steps/second.
- .Moon phase and week icons change according to the change of year, month and day.
- Without any handling in 8 seconds, exit the setting mode and save the set value.

### 3.3 Alarm setting mode

- Press ◀ more than 2 seconds to alarm mode and set item is twinkling by 1 HZ.
- Setting order is hour and minute.
- Press ▲ to be ahead by one step and hold more than 2 seconds to be ahead by 8 steps/second.
- Press ▼ to back by one step and hold more than 2 seconds to back by 8 steps/second.
- Press ◀ to confirm set.
- Without any handling in 8 seconds, exit the setting mode and save the set value.
- Press ▶ to turn on/off alarm.

### 3.4 Temperature alert setting.

- Hold ☰ 2 seconds to alert setting.
- Setting order is upper limit→lower limit→exit
- When set upper limit or lower limit, press CH to switch between different channels.
- Upper limit temperature is  $-49^{\circ}\text{C} \sim +70^{\circ}\text{C}$  and lower limit is  $-50^{\circ}\text{C} \sim +69^{\circ}\text{C}$ .
- Hold ☰ to confirm setting and turn to next setting item.
- Press ▲ once and setting value will ahead one step. Hold for 2 seconds, setting value will be ahead by 8 steps/sec..
- Press ▼ and setting value back one step; Hold for 2 seconds, setting value will back by 8 steps/sec..
- .Press any key to stop alarm but the temperature and alarm signal will still twinkle and then stop until the temperature return to setting temperature.
- Press ☰ to turn off temperature alarm
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## 4. Start and Re-set

- 4.1 ●. When open or re-set, LCD display for 3 second and LED backlight turn on for 3 seconds with BI then go to standard mode. After getting the temperature and humidity, turn to RF receiving for 3 minutes and then to RCC receiving. Exit after 7 minutes no matter receive or not.
- Calendar default as 0:00 1<sup>st</sup> Jan., 2000.

- Alarm default as 0:00.
- Temperature default as °C; Time is 24HR; RF is in CHANNEL 1.

#### 4.2 Temperature and humidity

- Indoor temperature range of 0°C ~+50°C (32°F ~+122°F)
- Humidity range of 20%~95%

#### 4.3 Comfort icon

- Non-comfortable: When temperature is any value and humidity below 40% or beyond 70%.
- Comfortable: When temperature is between 20°C~28°C and humidity is 40%~70%.

#### Notice:

Choose a suitable place for the base unit and remote outdoor sensor. Place the base unit near a window, but away from direct sunlight or other sources of heat or air condition to ensure accurate air temperature readings.

The remote sensor should be located away from direct sunlight and sheltered from the rain. Locate the sensor unit in a clear area to avoid signal interference. The maximum transmission distance from the remote sensor to the base station is 30m in open space. Actual transmission distance may be reduced by interference from buildings, obstructions or a screen between the sensor and the base station.

#### Battery Operated item

- Do read the instructions for battery replacement. Make sure to insert new batteries correctly, following the symbols for positioning the positive (+) and negative (-) ends of each battery.
- Do replace batteries with the size and type specified in instruction manual. Remove all batteries from the product at the same time.
- Do store batteries in a cool, dry place at normal room temperature. Remove batteries from devices that will be stored unused for extended periods.
- Do dispose of batteries according to the local laws and regulations of your region. Some batteries may be recycled, and may be accepted for disposal at your local recycling center.
- Batteries may present a risk of fire, explosion, or chemical burn if mistreated.
- Do not disassemble, puncture, modify, drop, throw, or cause other unnecessary shocks to batteries.
- Do not dispose of batteries in a fire or trash incinerator, or leave batteries in hot places such as an automobile under direct sunlight.
- Do not store batteries near an oven, stove, or other heat source.
- Do not connect batteries directly to an electrical source, such as a building outlet or automobile power-point.
- Do not place batteries into a microwave oven, or into any other high-pressure container.
- Do not immerse batteries in water or otherwise get them wet.
- Do not short circuit batteries; for example, do not carry loose batteries in a pocket or purse with other metal objects, which may inadvertently cause a battery to short circuit.
- Do not use batteries, or charge rechargeable batteries, that appear to be leaking, discolored, rusty, deformed; emit an odor; or are otherwise abnormal.
- Do not touch leaking batteries directly; wear protective material to remove the batteries and dispose of them properly immediately.
- Do not reverse the polarity (positive and negative terminals) of batteries.
- Do not mix used and new batteries, or install used batteries in other equipment.

- Do not charge non-rechargeable batteries, or use unspecified charging instructions or equipment for rechargeable batteries.
- Do not give batteries to young children, or store batteries where children may access them.
- Do not put batteries in mouth. If swallowed, contact physician or local poison control center immediately.

## **Federal Communications Commission (FCC) Statement**

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

**NOTE:** This device has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## **FCC Radiation Exposure Statement**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of FCC RF Rules. Operation is subject to the following two conditions:

- 1) This device may not cause interference and
- 2) This device must accept any interference, including interference that may cause undesired operation of the device.

## **Canada Statement**

This Device complies with RSS-210 of the IC Rules, Operation is subject to the following two conditions:

- (1). This device may not cause interference and
- (2).This device must accept any interference received,, including interference that may cause undesired operation.