



KL7VXIP

6798



6789

Smart thermostat feature



Title	Smart thermostat feature	
Code	AN-Thermostat-001-EN	
Language	English	
System	IPure	VX2300
Article	KL7VXIP, 6798	6789

Change log

Rev.	Date	Author	Notes
0.1	31/07/24	S. Baglioni	First version

Although every effort has been made to provide accurate information, there may be technical or print errors in this application note. Videx reserves the right to make changes, corrections and improvements to such information at any time and without notice.

Description

The KL7VXIP, 6798 and 6789 video monitors offer a smart thermostat feature in addition to all other advanced video intercom functions.

Connection

The thermoregulation is managed by activating one or more service relays, even simultaneously. Service relays provide dry contacts to activate the boiler in case of heating or the air conditioner in case of cooling.

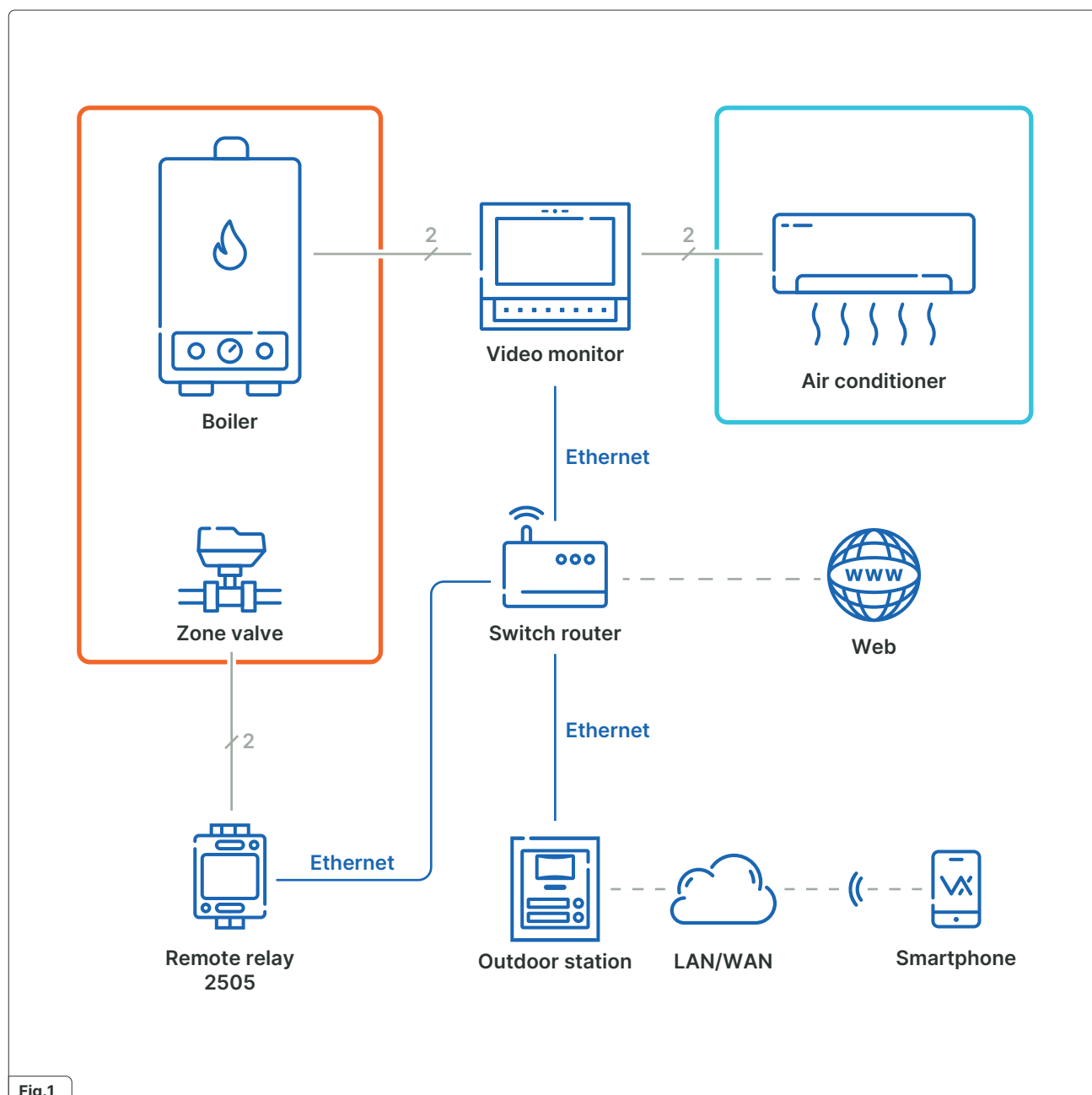


Fig.1

Setup

The configuration of the outputs to be used to activate the thermoregulation systems are made through the **IPure Wizard** software.

In the **THERMOSTAT** section, specify one or more service relays for each operating mode.

Note: Several relays may be needed to activate simultaneously in case the boiler and zone valve have to be activated together.

The screenshot shows the 'Intercom Settings' window with the 'THERMOSTAT' tab selected. The window is divided into two main sections: 'HEATING' and 'COOLING'. Each section has a 'Type' dropdown set to 'Local Output' and a 'Relay' dropdown. In the 'HEATING' section, the relay is set to '2 - Air Conditioner'. In the 'COOLING' section, the relay is set to '1 - Heating'. Below each relay dropdown is a list of elements (Boiler, Zone valve for heating; Air conditioner for cooling) with a 'VIDEX' icon and a trash icon. At the bottom of each section is an 'Empty' button and an 'Elements: 1' indicator.

INTERCOM SETTINGS

DEVICE MODEL: KL7VXIP
FW VERSION: 1.0.4 HW VERSION: 001
DEVICE IP: 192.168.1.100
SUBNET MASK: 255.255.255.0
GATEWAY IP: 192.168.1.1
DNS 1: 8.8.8.8
DNS 2: 8.8.4.4
DEVICE ID: 100
DEVICE DESCRIPTION: Videophone ground floor

THERMOSTAT

HEATING
Type: Local Output
Relay: 2 - Air Conditioner of this device.
+
Boiler
Zone valve
Empty Elements: 1

COOLING
Type: Local Output
Relay: 1 - Heating of this device.
+
Air conditioner
Empty Elements: 1

Fig.2

Use of the Thermostat Widget

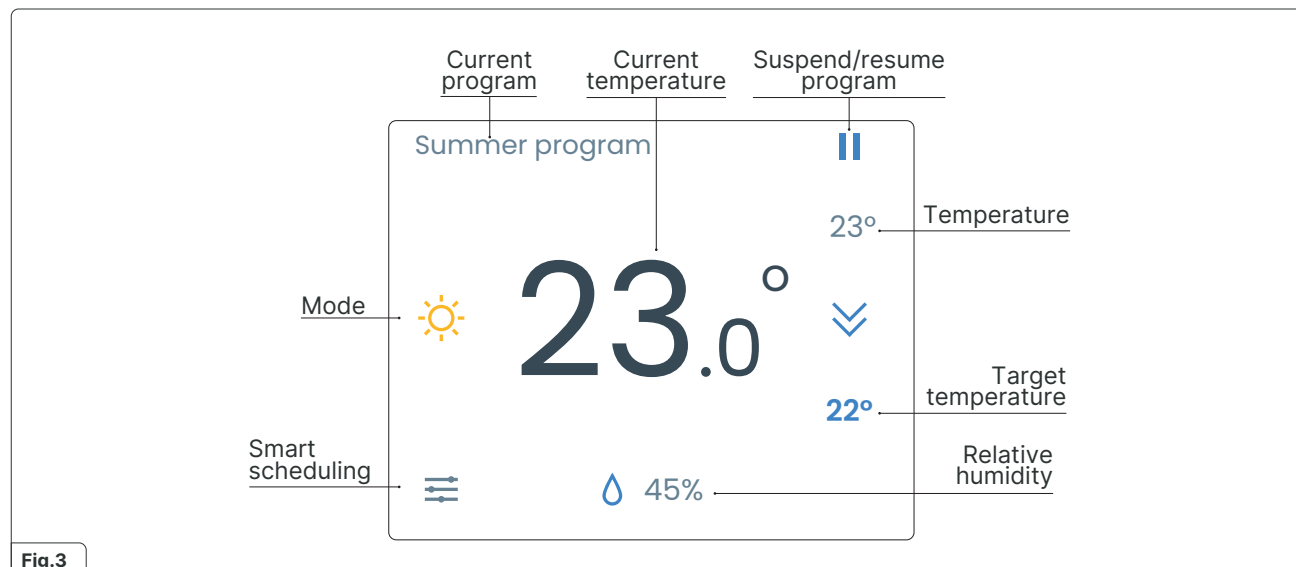


Fig.3

Enable the Thermostat features

From the **Home** screen:

1. Tap **Menu** ≡.
2. Tap **General**.
3. Scroll down the list and tap **Thermostat**.
4. Move the switch to **ON**: the widget will now appear on the Home screen.

Mode change

From the **Home** screen:

1. Tap **Mode** (it's the icon on the left of the temperature).
2. Select the desired mode between
 - Summer** ☀
 - Winter** ❄
 - Off** ⏻
3. Tap **OK** to set the selected mode
or
Tap **Cancel** to return to the Home screen without changing the current setting.

Manual override temperature setting

It enables you to set the desired temperature manually or for a set time.

From the **Home** screen:

1. Tap **Current temperature**.
2. Increase or decrease the value using $\wedge$ and $\vee$ buttons.
3. If you want to set a timed manual override duration, tap the ⌚ icon: set the hours and minutes using the respective $\wedge$ and $\vee$ buttons. Tap $\checkmark$ to set the selected time or $\times$ to return to the previous screen without setting the time.
4. Tap $\checkmark$ to set the selected temperature and time
or
Tap $\times$ to return to Home screen without changing the current setting.

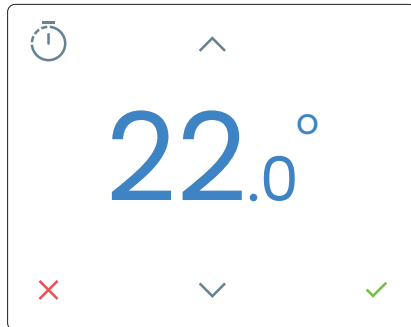


Fig.4

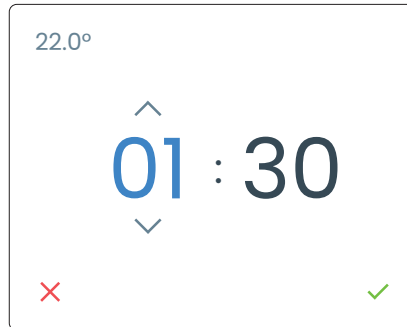


Fig.5

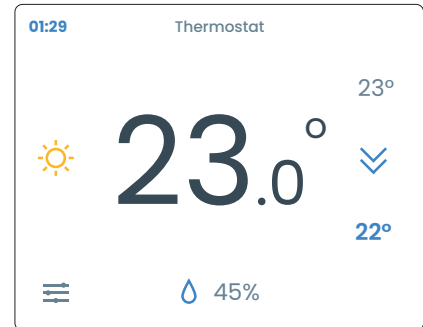


Fig.6

Create a program

From the **Home** screen:

1. Tap $\equiv$ to enter the **Smart scheduling**.
2. Tap the $+$ icon in the top right corner of the screen to add a new program.
3. Enter the program name (eg. "Summer Program") and tap enter.

To start the program from the Smart scheduling screen, press the respective $\blacktriangleright$ button. Tap $\parallel$ to stop it.

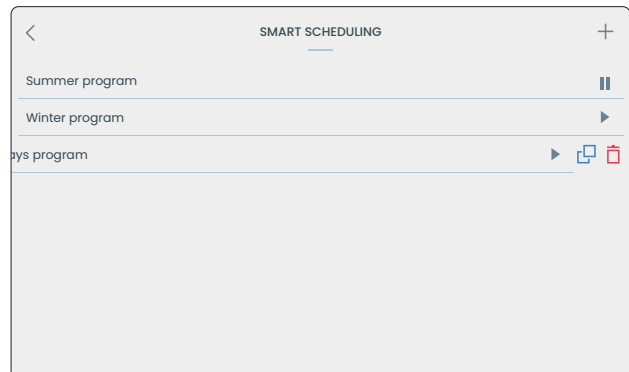


Fig.7

Program customization

From the **Smart scheduling** screen:

1. Tap on the program you want to customize: the weekdays and time slots will be shown.
2. Tap the desired day.
3. Set the start and end time and the desired temperature with the respective $\wedge$ and $\vee$ buttons.
4. If you want to set this time slot only for the day tap the **No, this day only** button. The device will return to the previous screen.
or
If you want to replicate the multi-day time slot tap the button **Yes, select days** button:
5. Select the days you want to replicate the setting and tap the **Go on** button.
6. If you want to continue with the programming tap the **Yes, go on** button
or
If you want to finish programming tap the **No, close** button.

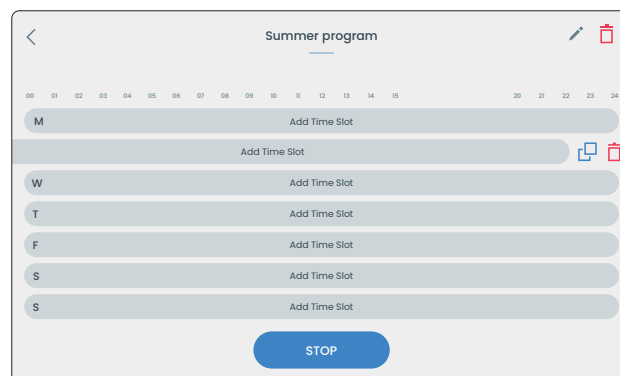


Fig.8

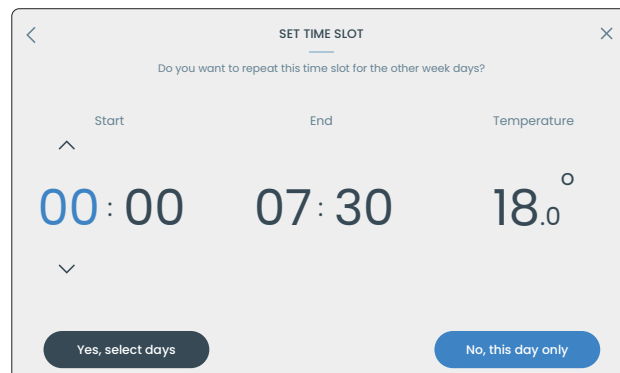


Fig.9

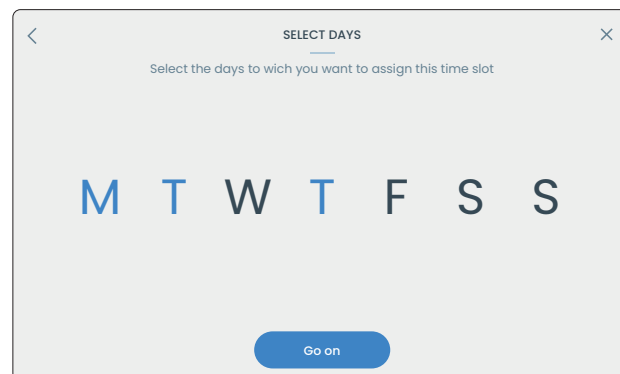


Fig.10



Fig.11

Duplicate or delete a single daily schedule

From the **program screen**:

1. Swipe left on the day you want to duplicate or delete.
2. Tap the  button to duplicate, then select the days and confirm.
3. Tap the  to delete and confirm on the next screen.

To add more time slots, tap the + icon and repeat the procedure.

The maximum number of time slots per day is **8**.

To start the program from the customization screen, press the **Start** button.

Tap **STOP** to stop it.

Rename or delete a program

From the **Smart scheduling** screen:

1. Tap the program you want to rename or delete.
2. Tap the  button to rename the program.
3. Tap the  button to delete and confirm on the next screen.

Duplicate or delete a program

From the **Smart scheduling** screen:

1. Swipe left on the program you want to duplicate or delete.
2. Tap the  button to duplicate.
3. Tap the  button to delete and confirm on the next screen.

Manually suspend the active program

From the **Home** screen:

1. Tap the  icon next to the name of the running program.

1. Tap the **MANUAL RESTART** button to manually suspend the program

or

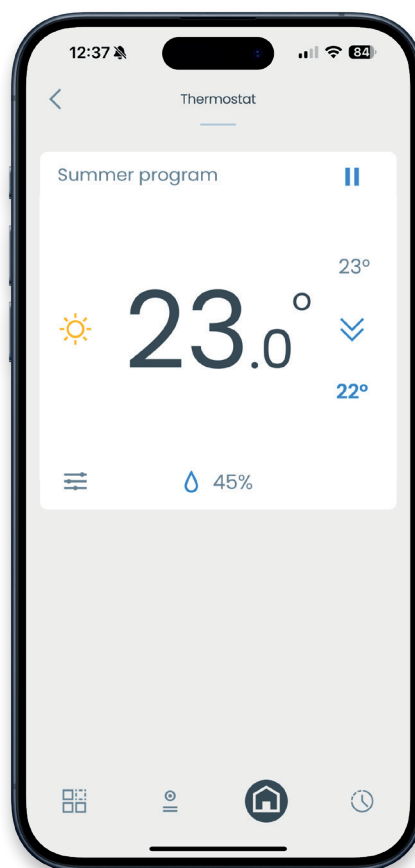
Tap the **Suspend...** button to set the sleep time: set the hours and minutes with the respective ^ and v buttons, tap **CONFIRM** or **Cancel** to cancel and return to the previous screen

or

Tap the **END THE PROGRAM** button to terminate the program immediately.

Use of the Widget via Videx App

All the functions and operations described above are available remotely (after subscription to the Videx cloud and appropriate configuration) via **Videx App**, available for iOS and Android platforms.



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