

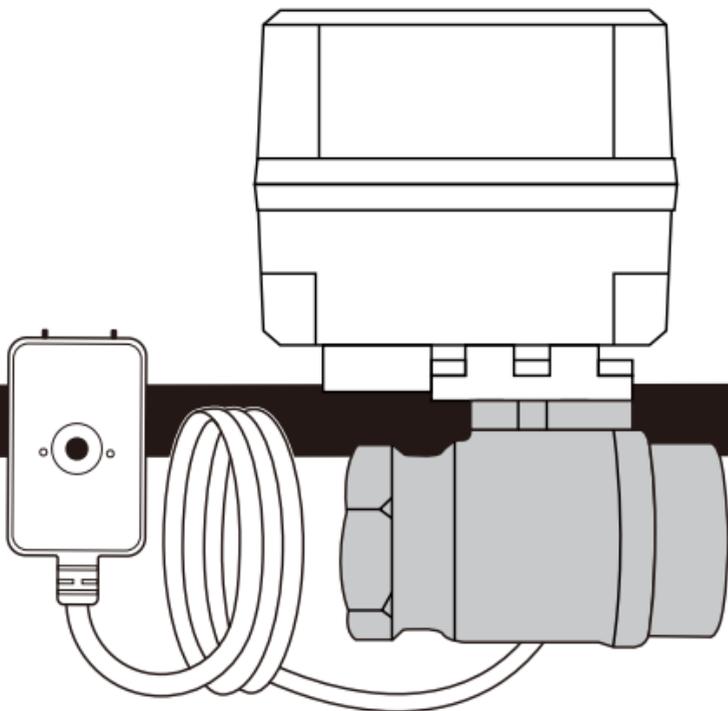
SimPal-V640

SimPal-V10

4G Water Valve

User Manual

Manual version 1.0



APP Management and Settings
SimPal GSM



Available on
Google Play



Available on
App Store

SimPal-V640 4G Water Valve

Thank you for purchasing the SimPal-V640 4G Water Valve.

SimPal-V640 working with 4G LTE SIM card, is a simple and powerful device to remote control the valve on-off at home via SMS or app in mobile. Support multiple modes of automatic control like Schedule Control, Timer Control, Sensor control etc.

SimPal-V640 come with wired water detector, can be set automatic turn off valve when detect water leakage. It can connect up to 4PCS SimPal-V10 wireless slave water valve, connect 10pcs wireless accessories to monitor your house.

All services and functions need to be supported by the 4G network and a SIM card.

This brochure suits for **SimPal-V640**, **SimPal-V10** model.

Details of the functioning and advanced operation of this device are described in this instruction manual.

CONTENT

<i>For your safety</i>	5
<i>Exception clause</i>	6
<i>1.1 Package contents</i>	7
<i>1.2 Valve instructions</i>	8
<i>1.3 Mounting instruction</i>	9
<i>1.4 Light indicator</i>	10
<i>1.5 Beep sound</i>	11
<i>2.1 User authorization level</i>	11
<i>2.2 About the SMS Command</i>	12
<i>3.1 Start to use</i>	13
<i>3.2 Download “SimPal GSM” APP</i>	14
<i>3.3 Register mobile number</i>	15
<i>3.4 Pair slave valve</i>	17

3.5 Set valve status when power lost	19
3.6 Turn on/off valve	20
3.7 Water leakage control	21
3.8 Delay control	22
3.9 Schedule control	23
3.10 Voice call control	26
3.11 Connect wireless accessories	28
3.12 Wireless temperature sensor	34
3.13 SMS when on/off button pressed	36
3.14 Power failure alarm	37
3.15 Check status	38
3.16 Weak GSM signal notification	39
3.17 Resetting the valve	39
4. Main Technical Parameters	41
Appendix: SMS commands list	42



- 1. Purchase a SIM card (mobile phone card) from 4G network service provider and install it in the valve. This SIM card number is referred as SimPal-V640 number on this brochure.**
- 2. The user needs to activate the Caller ID Presentation function of SIM card, and deactivate PIN code of the SIM. Contact with local network service provider for support.**

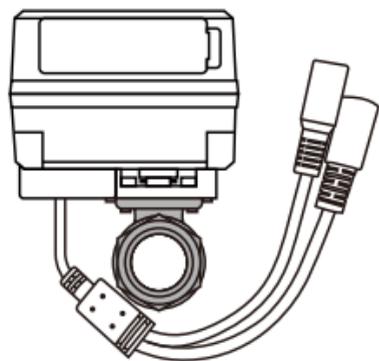
For your safety

- Before using this water valve, make sure that the mobile phones can be used well in the area, otherwise, do not put this valve into operation.
- This valve supports IP44 waterproof rating.
- Do not open the case unless maintenance needed.
- Do not keep shaking or fall down this valve, otherwise it can be damaged.
- This water valve is a wireless signal transmission device. Keep it away from electronic equipment likely to interfere with the wireless signals, in order to avoid signals interference.
- Do not put your fingers into the copper pipe when the valve is opening or closing. To avoid causing bodily harm.
- Keep the valve and its accessories out of the children reach.

Exception clause

1. We operate on a policy of continuous development. We reserve the right to make changes and improvements to any of the device described in this document without prior notice.
2. For the latest device information, please visit: <http://www.simpal.cn>. We don't guarantee for the document veracity, reliability or any content except regulate in proper laws. Including no guarantee for device suitable market or suitable area promise.
3. We hold no responsibility for the illegal use of this device.
4. We hold no responsibility for any loss of income or any special, incidental, consequential or indirect damages howsoever caused.
5. The contents of this document are provided "as is". Except as required by applicable law, no warranties of any kind, either expressed or implied, including, but not limited to the accuracy, reliability or contents of this document. We reserve the right to revise this document or cancel some functions at any time without prior notice

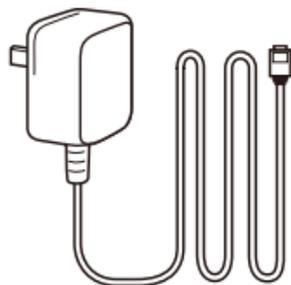
1.1 Package contents



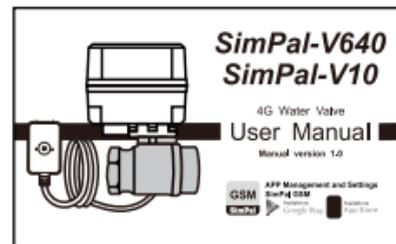
Main unit



Water detector

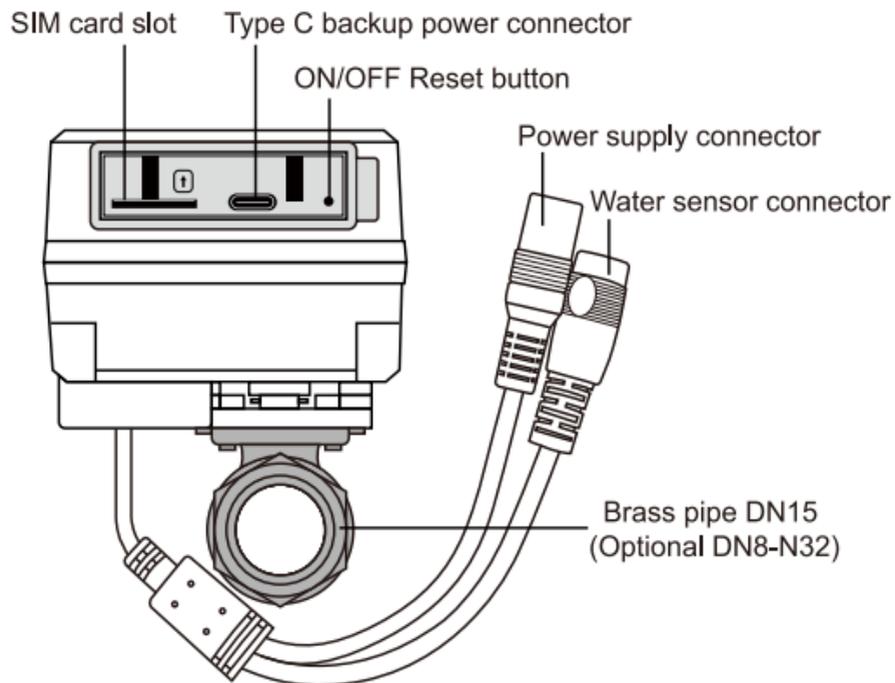


Power adapter(12V/1A)



User Manual

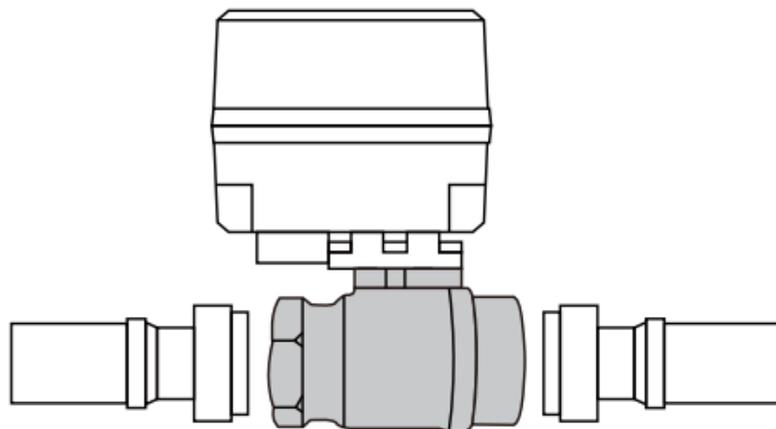
1.2 Valve instructions



1.3 Mounting instruction

Please install SIM card on the device and test 4G signal at install location before mounting the valve. Make sure the device can work well at this install place.

The device is intended for tap water, 0-90 ° C. Turn off main water valve before install this device. It can be mounted in all positions, horizontally, vertically, upside down, and regardless of flow direction. The unit has an internal R-thread. Use the required sealant and connect to pipes. The unit must not be mounted in a concealed place; it must be placed so that it can be changed and so that any leaking water can be easily detected.



1.4 Light indicator

Color	Valve Status	Action	Status
RED	ON	Fast flash	Lost network connection or process SMS command
		Slow flash	Searching 4G network
		Breath slow flash	Standby mode and alarm function off.
		Constant light	Standby mode and alarm function on.
GREEN	OFF	Fast flash	Lost network connection or process SMS command
		Slow flash	Searching 4G network
		Breath slow flash	Standby mode and alarm function off.
		Constant light	Standby mode and alarm function on.

1.5 Beep sound

Action	Status
One short beep	Power on, pair slave valve or pair wireless accessory
One long beep	Register 4G network success, Pair sensor success
Two short beep	Set alarm function off by remote control
Continues beeps	Plug-in water sensor alarm or Wireless sensor alarm

2.1 User authorization level

Device settings can be set or adjusted via a SMS command.

There are two mobile phone user controlling levels:

Master-user (“Master”):

Only one **Master** has authorization to use all features of SimPal-V640.

In order to enable all the functions on the device, the **Master** must store his/ her mobile number in the device's memory. Only one **Master's** mobile number is allowed for a device.

Registered - users ("User"):

Master user can register four users to allow control this device. Unknown phone numbers have no authorization to control the valve.

2.2 About the SMS Command

- **SMS command format:** #code#content#.
- The maximum digits that are allowed for the phone number is sixteen.
- SimPal-V640 will reply to the user after it receives the SMS command.



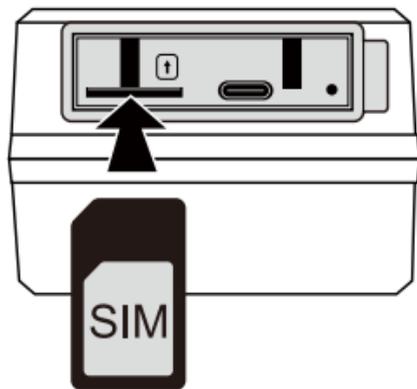
Note

- The “#” symbol must not be ignored when typing an SMS command.
- No allow any space within the commands.

3.1 Start to use

Install SIM card and connect water sensor:

- Remove the slot cover, install SIM card to SimPal-V640 4G valve; make the SIM card metal contact downward and cut-corner at left, hardly push the SIM card until it fixed.
- Connect water sensor to device using 3.5mm audio connector.



Power on:

1. Connect power to the device with included power adapter using DC connector.
2. Device will beep when power on and LED will flash slowly for 10-15 seconds, it will long beep and LED turn to slowly breathe, it means the device registered 4G network success, its ready to work.



Note:

1. If the LED flash fast all the time, which imply the SIM card working abnormally, all functions of this Device are invalid.

2. Check 4G network signal of the using place:

- 4G network's signal strength may affect the Device feature. Therefore, before using, the user should ensure that SimPal-V640 is used in an area with a good 4G network signal.

3.2 Download “SimPal GSM” APP

We offer free APP to work with SimPal-V640, search “SimPal GSM” on Google Play or Apple APP Store, download and install the APP, then it can use APP to control SimPal-V640.

First time register device on APP, input device name and SIM card number which installed on SimPal-V640 device. The APP will create SMS content, send the SMS to device, it will operate according APP function description.

Even without APP, user can send SMS manually according following instruction to control the device

3.3 Register mobile number.

Sending following SMS to device SIM card number from your mobile phone (the phone number will be the **Master** number):

Register Master-number: #00# (1)

3.3.1 Change Master number

Master sends following SMS message in order to:

Change master-number: #14#*NewMasterNumber* (2)

- *NewMasterNumber* should be the new Master mobile phone number.

3.3.2 Register User-number

Max allow to register 4 User numbers on one device.

User-number have the authority to control the Device.

 **Method**

SMS notification to Master and all Users (Default):	<u>#16#1#</u>	(5)
SMS notification only to Master number:	<u>#16#0#</u>	(6)

3.3.4 Delete User number

Method

Master sends following SMS message in order to:

Delete single User number: #15#*User-Number* # **(7)**

Delete all Users: #15# **(8)**

3.4 Pair slave valve

Description

The 4G valve can connect up to 4pcs slave valve SimPal-V10. The slave valve has same function as SimPal-V640, each slave valve can be separately remote switch on/off, set schedule control, timer control, water-leak control etc. The distance between

- Max allow 7 characters for slave valve name.
- “Name” does not allow only one digit number 0, number 0 command was used to control Main unit.

Remove single slave valve: #71#name# (10)

Remove all slave valves: #71# (11)

3.5 Set valve status when power lost

Master or users send following SMS message in order to set:

Turn main unit off when power lost (Default): #10#0#0# (12)

Turn slave unit off when power lost (Default): #10#name#0# (13)

Turn main unit on when power lost: #10#0#1# (14)

Turn slave unit on when power lost: #10#name#1# (15)

Keep main unit last status when power lost: #10#0#2# (16)

Keep slave unit last status when power lost: #10#name#2# (17)

3.6 Turn on/off valve

Method

Method 1: To press **M button one second** (See 5 on Figure1).

Method 2: **Master** sends following SMS message in order to:

Turn main unit - ON: #01#0# (18)

Turn slave unit - ON: #01#name# (19)

Turn all units - ON: #01# (20)

Turn main unit - OFF: #02#0# (21)

Turn slave unit - OFF: #02#name# (22)

Turn all units - OFF: #02# (23)

3.7 Water leakage control

Description

- The external water detect sensor must be inserted into the cable 3.5mm connector. The valve will check water sensor status.
- When water leakage control function enabled, it will always process even manual change valve status. It will check water sensor status and process valve on/off every one minute.
- There are closed mode and open mode for water leakage control. In closed mode, valve will auto turn off when detect water leakage; Open mode, valve will auto turn on when detect water leakage.

Method

The **Master** or **User** sends following SMS message in order to:

Enable main unit water leakage control and set close mode: #04#0#1# (24)

Enable slave unit water leakage control and set close mode: #04#name#1# (25)

enable main unit water leakage control and set open mode: #04#0#2# (26)

Enable slave unit water leakage control and set open mode: #04#name#2# (27)

Disable main unit water leakage control (Default): #04#0#0# (28)

Disable slave unit water leakage control (Default): #04#name#0# (29)

SMS notification when sensor triggered - ON (Default): #41#1# (30)

SMS notification when sensor triggered - OFF: #41#0# (31)

3.8 Delay control

Description

- The valve can be set to delay switch ON/OFF for a period time.
- When the “Delay turn on valve” command is received and if the valve output is ON, the valve will be switched off immediately and be switch on again when the setting delayed time is reaching. Contrarily, if the valve is OFF, the valve will remain turn off and turn ON when setting delay time is reach.

 **Method**

Master or User sends following SMS message in order to:

Delay turn on main unit after a certain minutes: #12#0#Minutes#1# (32)

Delay turn on slave unit after a certain minutes: #12#name#Minutes#1# (33)

Delay turn off main unit after a certain minutes: #12#0#Minutes#0# (34)

Delay turn off slave unit after a certain minutes: #12#name#Minutes#0# (35)

Disable main unit delay control function: #12#0#0# (36)

Disable slave unit delay control function: #12#name#0# (37)

- **Minutes** are time parameters, range is 1-720.

3.9 Schedule control

3.6.1 Activate schedule control

 **Description**

- The valve can be set three group schedule to auto turn on off according time schedule.
- When water leakage control turn off valve, schedule control will not turn on valve even it reach action time point.
- Schedule control function will temporary deactivate if user manually change the valve status by SMS or press M button, it will process schedule control when time reach next action point.

 **Method**

Master or User sends following SMS message in order to:

Set main unit time period to switch on the valve:

#20#0#ID#*WorkDay*#*StartTime*#*EndTime*# (38)

Set slave unit time period to switch on the valve:

#20#name#ID#*WorkDay*#*StartTime*#*EndTime*# (39)

- ID means schedule control serial number, max allow 3 group schedule control. ID range is 1-3.
- **WorkDay**: Schedule control day parameter, it can be number 0-7. If want to set several single days, it needs to combined day number. Such as 1234, means from Monday-Thursday; 15 means Monday and Friday.

The following table contains the descriptions of each value:

Value	Corresponding day
0	Everyday
1	Monday
2	Tuesday
3	Wednesday
4	Thursday
5	Friday
6	Saturday
7	Sunday

- **StartTime** and **EndTime**: Be consists of 4 digits (hh:mm) and works on a 24 hour clock. If **StartTime** bigger than **EndTime**, it will operate until next day EndTime.
- The main unit or slave unit will switch on at the **StartTime** and turn off at the **EndTime**.
- For example: #20#0#2#13#0000#2130#, set group 2 schedule control, Monday and Wednesday, turn on valve from 00:00 and turn off at 21:30.

Check main unit schedule control function: #20#0# (40)

Check slave unit schedule control function: #20#name# (41)

Disable main unit schedule control function: #20#0#0# (42)

Disable slave unit schedule control function: #20#name#0# (43)

3.10 Voice call control

Description

- It can calling the valve to control main unit on/off. When valve receive calling, it will

check incoming call phone number. If phone number in list, then it will process valve on/off and reply SMS.

- Main unit can be control by voice call, slave unit only can be controlled by SMS command.
- Default calling with SMS reply, it can set calling without SMS reply or set allow any phone number control the valve even its no in list.

Method

The **Master** or **User** sends following SMS message in order to:

Voice call to switch main unit on/off: #09#1# (44)

Voice call to switch on main unit certain minutes: #09#1#time# (45)

Time range 1-300, means 1-300 minutes.

Disable voice call control: #09#0# (46)

SMS notification when voice call control - ON (Default): #49#1# (47)

SMS notification when voice call control - OFF: #49#0# (48)

Allow any phone number control - ON: #31#1# (49)

Allow any phone number control - OFF (Default): #31#0# (50)

3.11 Connect wireless accessories

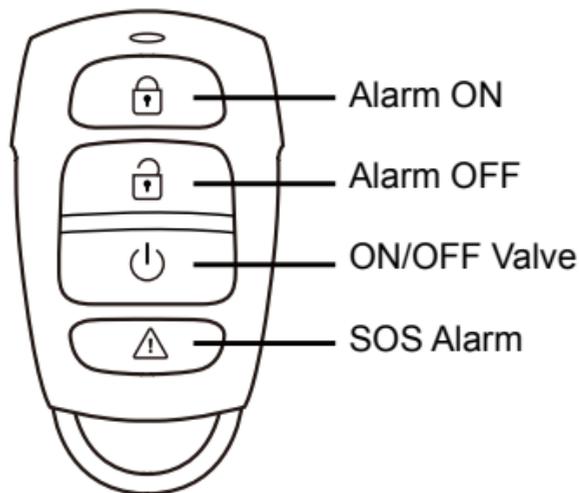
Description

- Main unit can work with 10pcs wireless sensor and 2pcs remote control. Wireless sensor can be work as intruder alarm or wireless valve control. It can use remote control to turn on/off valve, set alarm function on/off.
- Wireless sensor needs to buy separately. Only following accessories can work with this main unit.
 - WDS-051-F V2 Door Sensor
 - WIR-053-F V2 PIR Motion Detector
 - WLD-061-F V2 Water Leakage Detector

- WRC-048-F V2 Remote control
- WSS-055-F V2 Strobe Siren

3.11.1 Pair remote control

The valve can work with remote control WRC-048-F V2. The remote control can be used to arm and disarm main unit, when valve is in arm mode, it will send SMS when wireless sensor is triggered; it will ignore sensor alarm in disarm mode. Pressing the SOS button on the remote control will make the valve send SMS for emergency alarm and start timer control. It can press the remote control Power button to switch on/off valve.



 **Method**

Master sends following SMS message in order to:

Pair alarm sensor: #30#name#alarm#valve-control# (53)

Sensor name only can be English letter of digital number. Max allow 10 characters for sensor name. Alarm valve can be 1 or 2, 1 means normal sensor, only alarm when main unit in arm mode, 2 means emergency sensor, it will always send SMS alarm; Valve-control valve can be 0 or 1, 0 means this sensor do not used to control valve, 1 means this sensor used to control valve.

For example: #30#water#2#1#, it means pair sensor name “water”, this sensor work as emergency sensor, also used to control valve.

Wireless sensor turn on valve for some minutes: #29#1#time# (54)

Wireless sensor turn off valve for some minutes: #29#0#time# (55)

Check Wireless sensor control valve setting: #29# (56)

Disable wireless sensor control: #29#0# (57)

The time range can be 0-300, when time is 0, it means this sensor trigger, will turn on/off valve permanently.

Check sensor list: #30# (58)

Remove single sensor: #44#name# (59)

Remove all sensor: #44# (60)

3.11.3 Pair wireless siren

When WSS-055-F V2 siren working in paired mode, need to make device transmit code to pair with siren. The method to pair siren as following:

1. Press siren button to make wireless siren enter pair mode.
2. Master send following SMS to finish pair operation:

Pair wireless siren: #43# (61)

Schedule alarm parameter is same as Schedule control.

Set beeper alarm duration: #50#time# (66)

When sensor alarm, device will beep sound, default beep 10 seconds, it can send SMS to change beep duration. The time range is 0-60. Such as #50#30# to set beep 30 seconds.

3.12 Wireless temperature sensor

Description

SimPal-V640 can be working with WTL-063-F V2 Wireless temperature & light sensor. It can report day night status and use for temperature alarm, thermostat control etc.

Method

Master sends following SMS message in order to:

Pair wireless temperature & light sensor: #30#4# (67)

Delete wireless temperature & light sensor: #45#2# (68)

After paired wireless temperature sensor, it can send #07# to check day night status, also can enable temperature alarm function. It will send SMS when temperature back or out setting range.

 **Method**

Master or **User** sends following SMS message in order to:

Set temperature range: #21#0#MinTemp#MaxTemp# (69)

- **MinTemp** and **MaxTemp**: The values can be set within the range of -10 to 50 centigrade degree.

Set temperature alarm - ON: #21#0#1# (70)

Set temperature alarm - OFF (Default): #21#0#0# (71)

Set thermostat control value: #24#0#mode#MinTemp#MaxTemp# (72)

- Thermostat control will always activate when the temperature within action range. If schedule control, water leakage control run on parallel, it only process thermostat control at schedule control and water leakage control turn on valve.
- There are warming mode and cooling mode for thermostat control function. In warming mode, valve will auto turn on when temperature lower than MinTemp value, and turn off when higher than MaxTemp value; Cooling mode, valve will auto turn on when temperature higher than MaxTemp value and turn off when temperature lower than MinTemp.
- **MinTemp** and **MaxTemp**: The values can be set within the range of -10 to 50 centigrade degree.

Set thermostat control - ON: #24#0#1# (73)

Set thermostat control - OFF (Default): #24#0#0# (74)

3.13 SMS when on/off button pressed

 **Description**

SimPal-V640 will default sending SMS notify Master and Users when press M button to change power status. It can send SMS to enable/disable this SMS notification.

 **Method**

Master sends following SMS message in order to:

SMS notification when on/off button pressed - ON (Default): #03#1# (75)

SMS notification when on/off button pressed - ON: #03#0# (76)

3.14 Power failure alarm

 **Description**

SimPal-V640 will default sending SMS notify when main power supply lost or restore. It can send SMS to enable/disable this SMS notification.

 **Method**

Master sends following SMS message in order to set:

SMS notification when power lost or restore - ON (Default): #05#1# (77)

SMS notification when power lost or restore - OFF: #05#0# (78)

3.15 Check status

Method

Master or User sends following SMS message in order to:

Check operating status: #07# (79)

After receiving the SMS commands, it will reply SMS format like following:

Main Unit: ON -WD -D -P -S -T -W -H day

“Slave-V1”: OFF -WD -D -P -S

It will show different characters to display this valve in auto control status. The meanings of each character as following:

-WD: means water detected, the plug-in water sensor triggered.

-D: this means under delay control;

-P: this means under water leakage control;

-S: this means under schedule control;

- T: this means under thermostat control;
- W: this means under wireless sensor control;
- H: this means home alarm function on.

3.16 Weak GSM signal notification

The device can send a SMS notification when the GSM signal strength is too weak. The Master user can enable/disable this SMS notification.

Method

The **Master** user sends following SMS message in order to set:

- | | | |
|--|---------------|-------------|
| Check GSM signal and network status: | <u>#27#</u> | (80) |
| SMS notification when weak GSM signal - ON: | <u>#27#1#</u> | (81) |
| SMS notification when weak GSM signal - OFF(Default): | <u>#27#0#</u> | (82) |

3.17 Resetting the valve

 Description

4. Main Technical Parameters

Valve Size	DN15 (Optional DN8-N32)
Material	Brass
Valve body thread	NPT BSP
Working pressure	Max 1.0 MPa
Output torque	10 NM
Motor power	<5W
ON/OFF time	3 seconds
Waterproof IP level	IP44
Data interface	GSM SIM 1.8V/3.0V socket
RF frequency	434 Mhz, 20-30 meters range
4G LTE working band	Cat1 LTE FDD: B1, B3, B5, B7 ,B8 ,B20 LTE TDD: B40 GSM 900/1800Mhz

Appendix: SMS commands list

Category	Function	Command
Define the users	Register Master-number	(1) <u>#00#</u>
	Change Master-number	(2) <u>#14#NewMasterNumber#</u>
	Add User-number	(3) <u>#06#User-Number#</u>
	Check User-number	(4) <u>#06#</u>
	SMS notification to Master and all Users	(5) <u>#16#1#</u>
	SMS notification only to Master number	(6) <u>#16#0#</u>
	Delete User-number	(7) <u>#15#User-Number#</u>
	Delete all User-number	(8) <u>#15#</u>
Pair slave valve	Pair slave valve	(9) <u>#60#name#</u>
	Remove single slave valve	(10) <u>#71#name#</u>
	Remove all salve valves	(11) <u>#71#</u>

SimPal-V640 User Manual

Category	Function	Command
Power lost valve status	Turn Main unit valve off when power lost	(12) <u>#10#0#0#</u>
	Turn slave unit off when power lost	(13) <u>#10#name#0#</u>
	Turn Main unit valve on when power lost	(14) <u>#10#0#1#</u>
	Turn slave unit on when power lost	(15) <u>#10#name#1#</u>
	Keep main unit latest status when power lost	(16) <u>#10#0#2#</u>
	Keep slave unit latest status when power lost	(17) <u>#10#name#2#</u>
Power ON/OFF	Turn on Main unit	(18) <u>#01#0#</u>
	Turn on Slave unit	(19) <u>#01#name#</u>
	Turn on all units	(20) <u>#01#</u>
	Turn off Main unit	(21) <u>#02#0#</u>
	Turn off Slave unit	(22) <u>#02#name#</u>
	Turn off all units	(23) <u>#02#</u>

Category	Function	Command
Water leakage control	Set main unit water leakage control close mode	(24) <u>#04#0#1#</u>
	Set slave unit water leakage control close mode	(25) <u>#04#name#1#</u>
	Set main unit water leakage control open mode	(26) <u>#04#0#2#</u>
	Set slave unit water leakage control open mode	(27) <u>#04#name#2#</u>
	Disable main unit water leakage control	(28) <u>#04#0#0#</u>
	Disable slave unit water leakage control	(29) <u>#04#name#0#</u>
	SMS notification when sensor triggered- ON	(30) <u>#41#1#</u>
	SMS notification when sensor triggered- OFF	(31) <u>#41#0#</u>
Delay control	Delay turn on Main unit after certain minutes	(32) <u>#12#0#Minutes#1#</u>
	Delay turn on Slave unit after certain minutes	(33) <u>#12#name#Minutes#1#</u>
	Delay turn off Main unit after certain minutes	(34) <u>#12#0#Minutes#0#</u>

SimPal-V640 User Manual

Category	Function	Command
	Delay turn off Slave unit after certain minutes	(35) <u>#12#name#Minutes#0#</u>
	Disable Main unit delay control	(36) <u>#12#0#0#</u>
	Disable Slave unit delay control	(37) <u>#12#name#0#</u>
Schedule control	Set Main unit schedule control day time	(38) <u>#20#0#ID#WorkDay#StartTime#EndTime#</u>
	Set Slave unit schedule control day time	(39) <u>#20#name#ID#WorkDay#StartTime#EndTime#</u>
	Check Main unit schedule control status	(40) <u>#20#0#</u>
	Check Slave unit schedule control status	(41) <u>#20#name#</u>
	Main unit schedule control function - OFF	(42) <u>#20#0#0#</u>
	Slave unit schedule control function - OFF	(43) <u>#20#name#0#</u>

SimPal-V640 User Manual

Category	Function	Command
Voice call control	Voice call to switch Main unit ON-OFF	(44) <u>#09#1#</u>
	Voice call to turn on Main unit some minutes	(45) <u>#09#1#time#</u>
	Disable voice call control	(46) <u>#09#0#</u>
	SMS notification when voice call control - ON	(47) <u>#49#1#</u>
	SMS notification when voice call control - OFF	(48) <u>#49#0#</u>
	Allow any phone number control - ON	(49) <u>#31#1#</u>
	Allow any phone number control - OFF	(50) <u>#31#0#</u>
Wireless accessories	Pair remote control	(51) <u>#30#3#</u>
	Remove all remote control	(52) <u>#45#</u>
	Pair wireless sensor	(53) <u>#30#name#alarm#control#</u>

SimPal-V640 User Manual

Category	Function	Command
Wireless sensor control	Sensor triggered turn on Main unit for some minutes	(54) <u>#29#1#time#</u>
	Sensor triggered turn off Main unit for some minutes	(55) <u>#29#0#time#</u>
	Check sensor control settings	(56) <u>#29#</u>
	Disable sensor control	(57) <u>#29#0#</u>
	Check sensor list	(58) <u>#30#</u>
	Remove single sensor	(59) <u>#44#name#</u>
	Remove all sensors	(60) <u>#44#</u>
	Pair wireless siren	(61) <u>#43#</u>
	Alarm function - ON	(62) <u>#40#1#</u>
	Alarm function - OFF	(63) <u>#40#0#</u>

SimPal-V640 User Manual

Category	Function	Command
	Set schedule alarm day time	(64) <u>#46#ID#day#start-time#end-time#</u>
	Schedule alarm - OFF	(65) <u>#46#0#</u>
	Set beeper duration	(66) <u>#50#time#</u>
Wireless temperature sensor	Pair wireless temperature & light sensor	(67) <u>#30#4#</u>
	Delete wireless temperature & light sensor	(68) <u>#45#2#</u>
	Set temperature alarm	(69) <u>#21#0#min-temp#max-temp#</u>
	Set temperature alarm - ON	(70) <u>#21#0#1#</u>
	Set temperature alarm - OFF	(71) <u>#21#0#0#</u>
	Set thermostat control	(72) <u>#24#0#mode#low-temp#high-temp#</u>
	Thermostat control - ON	(73) <u>#24#0#1#</u>
	Thermostat control - OFF	(74) <u>#24#0#0#</u>

Category	Function	Command
Notification settings	SMS notification when press button - ON	(75) <u>#03#1#</u>
	SMS notification when press button - OFF	(76) <u>#03#0#</u>
	SMS notification when power lost - ON	(77) <u>#05#1#</u>
	SMS notification when power lost - OFF	(78) <u>#05#0#</u>
	Check status	(79) <u>#07#</u>
	Check 4G signal and network status	(80) <u>#27#</u>
	SMS notification when weak signal - ON	(81) <u>#27#1#</u>
	SMS notification when weak signal - OFF	(82) <u>#27#0#</u>
Reset device	Reset factory setting	(83) <u>#08#1234#</u>

