ADDRA Control Tool application

User manual

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Revision History

Version	Date	Author	Description
1.0	27.02.20	Valentin Acbiic	Original document.
1.1	07.02.23	Nadejda Sîrbu	Pct.1, 3.1, 3.2, 3.3 updated.
1.2	30.06.23	Nadejda Sîrbu	Pct. 3.2 updated. Pct. 3.2.5 added.
1.3	25.07.23	Nadejda Sîrbu	Pct. 3.2.6 added.



1 Purpose

The given user manual describes the managing of the ADDRA water meter (hereinafter referred to as meter) and associated flow control valve (valve) using the ADDRA Control Tool mobile application (application).



2 System requirements and Installation

2.1 System requirements

System requirements:

- 1. Mobile device
- 2. Android mobile operating system v.5.1 and higher
- 3. Bluetooth Low Energy (BLE)

2.2 Installation

Usually, for security reasons, Android blocks installation of third-party applications on your mobile device. Therefore, before application installation, make sure that third party applications are allowed on your mobile device. For most mobile devices perform the following: go to Menu > Settings > Security > Unknown Sources > allow your mobile device to install applications from sources other than the Google Play. Note that the steps can differ depending on your mobile device. If no such menu is found, then check your mobile device documentation.

To install the application, do the following:

- 1. Start the file with *.apk* extension.
- 2. Tap the *Install* button and wait until the application is installed successfully.
- 3. Start the application by tapping its icon.
- 4. Allow the application to access the mobile device location, photos, media and files by clicking *Allow* button.
- 5. The main window of the application will be displayed.







3 Application User Interface

3.1 Devices window

Start the application. The list of devices will be displayed (if any).

To add a meter to application, tap *SCAN* button. The meter that is in the range will appear in the devices list.

It is recommended to tap the SCAN button each time you start working with a new device or begin a new part of the configuration.

NOTE: Make sure that the meter and mobile device are in range of each other with BLE turned on and the meter is not connected to another software.



To delete the meter, tap it and hold, and then tap *Delete* button.

To improve the functionality, it is recommended to clear the list of devices from the meters that are not being used now.



Devices	SCAN	÷	DELETE	Devices	SCAN
WMP-295297 * -69dB	v.1.2.0.14	WMP-295297 * -69dB	v.1.2.0.14	WMP-295297 * -69dB	v.1.2.0.14
III :1.218m ³	2020.02.26 17:08	III :1.218m ³	2020.02.26 17:08	III :1.218m ³	2020.02.26 17:08
WMI-295353	v.1.2.0.5	WMI-295353 * -72dB	v.1.2.0.5	WMP-295367	v.1.2.0.14
III :0.556m ³	2020.02.26 17:08	III :0.556m ³	2020.02.26 17:08	Ⅲ :40.530m ³	2020.02.26 16:44
WMP-295367	v.1.2.0.14	WMP-295367	v.1.2.0.14		
1 :40.530m ³	2020.02.26 16:44	1 :40.530m ³	2020.02.26 16:44		
-		-		_	

3.2 Device Information

Tap the meter to connect to it. The connection state is displayed.

NOTE: The connection with the meter is not an instant action, it takes time for the meter to be ready.



Tap *GET INFO* button, to see/update the meter related information.



The following information is displayed for the meter:

1) **Firmware Revision** – the meter firmware version e.g. v1234a.

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- 2) **Serial Number** the meter serial number, e.g. 295367.
- 3) **Volume Consumed** the consumed volume of water, in cubic meters with three decimal places, e.g. 40.530 m³.
- 4) **Valve Status*** the valve opening degree, Open, %.
- 5) LoRaWan Scheduler how often the meter is communicated with application, e.g. 2h0m0s (For first setting up of meter, it is recommended that this parameter to be set as 1 hour, further during exploitation it is recommended to set it – as 6 hours.).
- 6) Flow Rate the meter flow rate, e.g.0,000litre/h
- 7) **Request Date** the date when the displayed information has been requested and received, e.g. 2020.02.26 11:03.

8) INFO CODES

- a) **Leak** the water flows continuously for more than 24 hours configured by COSEM CLIENT, by default isn't activated: Yes/No.
- b) **Burst** –the water flow is constantly high for more than 30 minutes configured by COSEM CLIENT, by default isn't activated: Yes/No.
- c) **ReverseFlow** the water flows in wrong (reverse) direction: Yes/No. A separate register for water volume flowed in reverse direction is updated.
- d) **Dry** the meter is not filled with water: Yes/No.
- e) LowBattery the low battery for meter has been detected: Yes/No.
- f) ClockInvalid system time not valid: Yes/No.
- g) **LowTemperature** low ambient temperature detected: Yes/No.
- h) **WanModemFault** the meter WAN modem fault has been detected: Yes/No.
- i) HardwareFault the meter hardware error has been detected: Yes/No.
- j) Tamper the meter case has been opened: Yes/No.
- k) **ValveTamper*** the valve case has been opened: Yes/No.
- I) **MagneticField** the magnetic field has been detected: Yes/No.
- m) **NotCalibrated** the meter has not been calibrated: Yes/No.
- n) **FirmwareChanged** the firmware has been changed: Yes/No.
- coefChanged the calibration coefficient has been changed by COSEM CLIENT at production or service support: Yes/No.
- p) **ValveClosed*** the valve state is disconnected: Yes/No.
- q) **ValveConnectionError** connection with valve has been failed: Yes/No.
- r) ValveMagneticField the magnetic field has been detected by valve: Yes/No.
- s) **ManufactureSpecific** parameters reserved by manufacture: Yes/No.

INFO CODES with * refer to the meters assembled with the valve.

INFO CODE values in green colour are the standard state and cannot be changed, if the colour of the value is red, it means that this value has achieved the critical value and the problem is signalized. Tap the INFO CODE if you want to change it.



15:33 🖧 🖪 👂	\$ 2.all @0+#	15:33 🖧 🖪 🛢 🔎	* an 📼	D # 15:33 🕰	489	\$ ∴all 💷 ‡	15:34 🖉 🍕 🖬 🔎		* ::ati 💷 #
← WMP-00002	51534	← WMP-00		÷	WMP-0000251		← WMP-00	00251534	4
INFO	GET INFO	INFO	GET INFO	INFO		GET INFO	INFO		GET INFO
Firmware Revision	v8023a	Firmware Revision	v80:	23a Firmware F		v8023a	Firmware Revision		v8023a
Serial Number	251534	Serial Number	251	534 Serial Num		251534	Serial Number		251534
Volume Consumed	40,712m ³	Volume Consumed	40,712	m³ Volume Co	nsumed	40,712m ³	Volume Consumed		40,/12m ³
Valve Status	Open 1%	Valve Status	Open	1% Valve Statu		Open 1%	LoPaWan Schodulor		6h0m0c
LoRaWan Scheduler	6h0m0s	LoRaWan Scheduler	6h0n	n0s LoRaWan S	Scheduler	6h0m0s	Elow Pate		0.000litro/b
Flow Rate	0,000litre/h	Flow Rate	0,000litr	e/h Flow Rate		0,000litre/h	Request Date		2023 02 03 15:34
Request Date	2023.02.03 15:33	Request Date	2023.02.03 15	33 Request Da	ite	2023.02.03 15:33			
							INFO CODES		
INFO CODES		INFO CODES		INFO CODE			Leak		No
Leak	No	Leak		No Leak		No	Burst		No
Burst	No	Bur		Burst		No	ReverseFlow		No
ReverseFlow	No	Reset InfoC	ode	ReverseFlo	w 🥐	No	Dry		Yes
Dry	Yes	Dry Reset miles	Juc	s Dry		Yes	LowBattery		Yes
LowBattery	Yes	Lov Are you sure yo	u want to reset	s LowBattery		Yes	WanModemFault		No
WanModemFault	No	Wa FirmwareChan	ged?	o WanModer	nFault	No	HardwareFault		No
HardwareFault	No	Har		b HardwareF	ault Cance	No	Tamper		No
Tamper	No	Tar	NO VER	o Tamper	reset InfoC	Code. No	valveramper		NO
ValveTamper	No	Val	NO TES	valveTamp	er	No	MagneticField		NO
MagneticField	No	Ma		o MagneticFi		No	FirmwareChanged		NO
NotCalibrated	No	NotCalibrated		No NotCalibra		No	CoefChanged		No
FirmwareChanged	Yes	FirmwareChanged	1	fes FirmwareC		Yes	ValveState		Connected
CoefChanged	No	CoefChanged		No CoefChang		No	ValveConnectionError		No
ValveState	Connected	ValveState		ted ValveState			TarrooonnoodonError		110
ValveConnectionError	No	ValveConnectionError		No ValveConn		No	0 100%		
							Open 100%		OFT WALVE
Open 100%		Open 100%		Open 10					STATE
	SET VALVE			E					2000 E
	STATE								
							6 hours		
							-	-	SETLORAWAN
6 hours		6 hours		6 hours			3		5
0	SET LORAWAN		SETLORAM	AN		SETLORAWAN	Device	Profile	Dodate
9		(7)		(II		5			- participation of the second s
Device P	rofie Update	Device	Profile	Devi	Profile	a Lindate			
		Dense	opuate	Den	T TOM	opune			
	•								

NOTE: The INFO CODE can be changed only if the problem that activated it was solved.

3.2.1 BURST and LEAK

BURST and LEAK INFO CODES initially are not active, these INFO CODES depend on water line pressure, specific water consumption etc.

For BURST/LEAK alarm setting there are three parameters: Threshold (Liters/hour), Duration over Threshold (seconds) (DOT), Duration under Threshold (seconds) (DUT). Fig.1 is the illustration of the parameters mentioned above.

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Fig.1 The illustration of the parameters Threshold, DOT, DUT.

For the BURST:

Duration over Threshold (seconds) represents admissible time interval during which actual flowrate could exceed the Threshold value (represents a water flowrate from which water meter stars to follow for alarm, Liters/hour), without any alarm. In this case, we have an "ordinary" water consumption. If we will maintain the flowrate higher than Threshold value during this time interval and will exceed it, the corresponding Burst alarm will appear both with special symbol on the display.

Duration under Threshold (seconds) represents a minimal time interval during which actual flowrate not exceed the Threshold value (mentioned above), while the Burst alarm/state was already generated, but water consumption was normalized. With the other words, if our water flowrates not exceed Threshold value during at least this minimal time interval, then display indication must disappear. It is to note, that the Burst alarm generated previously will not disappear, therefore we must reset it manually.

For the LEAK:

Duration over Threshold (seconds) represents admissible time interval during which actual flowrate could exceed the Threshold value (mentioned above), without any alarm. In this case, we have an "ordinary" water consumption. If we will maintain the flowrate higher than Threshold value during this time interval and will exceed it, the corresponding Leak alarm will appear both with special symbol on the display.

Duration under Threshold (seconds) represents a minimal time interval during which actual flowrate not exceed the Threshold value (mentioned above), while the Leak alarm/state was already generated, but water consumption was normalized. With the other words, if our water flowrates not exceed Threshold value during at least this minimal time interval, then display symbol must disappear. It is to note, that Leak alarm generated previously will not disappear, therefore we must reset it manually.

Usually BURST situations require higher Threshold and lower Duration over/under Threshold in order to avoid dramatic damages, while LEAK situations require lower Threshold and higher Duration over/under Threshold in order to avoid "false" INFO CODE due to water consumption specifics.



3.2.2 SET VALVE STATE

To manage the state of valve, tap the SET VALVE STATE button.

NOTE: The valve can only be managed via the meter.

In order to connect the water meter to the valve, it is necessary to place these two devices as close as possible to each other.

The initial connection of the valve is a secure procedure, which makes the use of another valve impossible.

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NOTE: It is not recommended to place connected devices for a distance more than 15 meters.
```

Tap the button and wait for 40 seconds to finish the valve opening/closing. Make sure that the *Success* status is displayed near to the tapped button and the corresponding state for the *ValveState* INFO CODE.

Also, you can verify meter-valve connection state by the icon \odot on the water meter DISPLAY.



To change Valve Status, tap the value near the SET VALVE STATE button. Choose the required value in the open window, after that tap the SET VALVE STATE button and tap GET INFO button for actualization of Valve Status.

15:03 🚱	8 tai 🖽 (15:17 🚱	8 Aut 🖽 (15:05 🤀	8 Aut 🖽 +	15:17 🕲		8 dati 🖽 4	15:00 🚱		8 Aut 🖽 I	15:16 🛈	8 Jul 🖽 (
← WMP-0000		← WMP-000		← WMP-0	000251534	← WMP-0			← WMP-			← WMP-00	
		LoRaWan-Scheduler	6hDmCs	LoRaWan Scheduler	2h0m0s	LoRaWan Scheduler		6h0m0s					
INFO	GET INFO	Flow Pane	0,000litre/h	Flow Rate	0,000litre/h	Flow Rate		0,000litre/h	INFO			INFO	GET INFO
Eircuiara Baulsino	190285	Request Date		Request Date	2023.02.02 15:84	Request Date		2023.02.02 15:15	Elemente Depleting		100226	Circurate Desiring	190225
Social Number	261530								Pagial Sturpher		261624	Parial Number	950230
Melana Consumed	(071202	INFC CODES		INFO CODES		INFO CODES			Molumin Codemand		/0.212/02	Volume Consumed	201044 (0712ml
Value Status	Open 50%	Leak		Leak	No	1 cak			Molun Syntus		Dana SCA	Volum Statue	Open 100%
LoReWan Scheduler	2h0mCs	Hurst	No	Burst	NO	Burat			LottaWan Scheduler		2h0m0s	LoReWan Scheduler	éb0m0s
Flow Rate	D.000litre/b	Decourseriow.		Reverseriew	NO	Ineversel low			Flow Role		p.coolitreth	Flow Rate	D.000litre/h
Request Date	2023 02 02 15:02	U.V.	10	Diy Lauthetters	NO	101y			Request Date			Request Date	2023 02 02 15:15
				Khand fundered	NO NO	LowSattery							
INFO CODES		Select valve s	tate	Harduna Enult	No	Wan wordern auff			INFO CON'S			INFO CODES	
Leak	No	1 au		Taggoor	No	Planascorp.com.			Leak		No	Leak	No
Burst	No	Closed		Mahar Tamora	Mo	an per			Burst		No	Burst	No
ReverseFlow	No	144		MacraticField	No	Variation Date			ReverseFlow		No	ReverseFlow	No
Dry	No	310		NotCalibrated	No	Muchectorical			Dry	0	No	Dry	No
LowSattery	No	Upen 100%		FirmwareChanged	No	Tisses and the second			LowSattery			LowBattery	No
WanModemFault	No	0.0		CopfChanned	No	Total Characteria			WanModemFault		No	WanModemFault	No
HardwareFoult	No	Val Open 50%		ValueState	Connected	Volum Store	144.2 20.000		HardwareFault	Cannel set	No	HardwareFault	No
Tamper	No	Val		ValveConnectionError	No	Materia Provident Contra	Widt 39500.		Temper	valve Open 100%		Tamper	No
ValveTamper	No	0.000 100				Contraction of the second section.		0.000	Valve Usmper		No	Valve Tamper	No
MagneticField	No	open row							MagneticField		No	MagneticField	No
NotColibrated	No	op		Open 100%	OFF MALLE	Closed			NotCalibrated			NotCalibrated	No
FirmwareChanged	No		OTMEHA		SET VALVE STATE				FirmwareChanged		No	FirmwareDhanged	No
CoelChanged	No		o i musion	SUCCESS	STATE	Succent			CaelCharged		110	CoelChanged	No
ValveState	Connected		10						ValveState		Connected	ValveState	Connected
ValveConnectionError	No	6 hours		2 hours		ana (100-1			valveConnections.rro		No	ValveConnectionError	No
Open 50%	SET VALVE		SET LORAWAN SCHEDULER	Success	SET LORAWAN SCHEDULER	onours		SET LORAWAN SCHEDULER	Open 100%			Open 100%	SET VALVE
6 hours	SET LORAWAN		RESET		RESET			RESET	6 hours		SELICITAWAD	6 hours	SET LORAWAN
3		3			0 5	Ð	E C		œ		5		0 5
Device	Profile Bodata	Device	Profile Illustra	Device	Profile Bodata	Devices	Profile		Device	Profile	Uviza	Device	Profile Hodica
201	1921	200				Low Contraction		IQUER A	2001				
										۲	- S .		

In case of disconnection, place the meter as close as possible to the valve for at least 6 hours (sometimes it takes longer, up to 24 hours).



Reconnection take place automatically. As a result, the icon O is displayed on the meter display to indicate that it has been connected to the valve.

3.2.3 RESET LORAWAN SCHEDULER

To change LoRaWan Scheduler, tap the value near the SET LORAWAN SCHEDULER button. Choose the required value in the open window, after that tap the SET LORAWAN SCHEDULER button and tap GET INFO button for actualization of LoRaWan Scheduler.



3.2.4 RESET LORAWAN OBJECTS

To reset the objects responsible for communication with the LORAWAN to their default settings, tap RESET LORAWAN.

NOTE: Don't forget to delete all information about the meter on the LORAWAN server.

Simply restarting the meter will not solve the problem with the LORAWAN server, as all parameters and settings are stored in this device and will not disappear when the meter is restarted.

14:03 😇		8 Ital 🗊
← WMP-00	00251210	D
Valve Status		Open 0 %
LoRaWan Scheduler		6h0m0s
Request Date		2022.09.21 14:05
INFO CODES		
Leak		No
Burst		No
ReverseFlow		No
Dry		No
LowBattery		No
WanModemFault		No
HardwareFault		No
Tamper		No
ValveTamper		No
MagneticField		No
NotCalibrated		No
FirmwareChanged		No
CoefChanged		No
ValveState		Connected
ValveConnectionError		No
Open 100%		SET VALVE STATE
6 hours		SET LORAWAN
		SCHEDULER
		RESET LORAWAN
Cevice	Profile	, ₽ Updata
	\odot	

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It is recommended temporary switching off communication device for 5-15 min to verify connection.

For each water meter, this procedure is repeated.

3.2.5 SET THRESHOLD DURATION

To track burst and leak alarms relevant threshold values should be specified:

- Leak min under threshold duration;
- Leak min over threshold duration;
- Burst min under threshold duration;
- Burst min over threshold duration.

To set threshold duration select:

9:14			\$ ∜atl ≠
← ₩	MP-00002	51220	
MagneticField			No
NotCalibrated			No
FirmwareChan	ged		No
CoefChanged			No
ValveClosed			No
ValveConnectio	DNEFFOF		NO
ManufactureS	necific		No
Manaractarco	seeme		110
Open 100%			SET VALVE STATE
6 hours			SET LORAWAN SCHEDULER
			RESET LORAWAN
SET THRESHO	LD DURATION:		
Leak min ui	nder thresho	ld duratio	on
5 hours			SET DURATION
(2) Device	Pr	ofile	↓ Update
			۹

List of parameters appears:





Select one of them by pressing it. Tape:

9:14		ا اس \$
← ₩MP	-0000251220	
raiveramper		110
MagneticField		No
NotCalibrated		No
FirmwareChanged		No
CoefChanged		No
ValveClosed		No
ValveConnectionEn	ror	No
ValveMagneticField		No
ManufactureSpecif	ic	No
Open 100%		SET VALVE STATE
6 hours		SET LORAWAN SCHEDULER
		RESET LORAWAN
SET THRESHOLD D	URATION:	
Leak min unde	r threshold durati	on
5 hours		SET DURATION
Oevice	Frofile	Update
-	۲	•





To select Leak duration, press the value you are comfortable with from the list below.



For Burst duration, you can also select the necessary value from the list below.



When all parameters are established press SET DURATION button.



Press the GET INFO key and the selected duration values will appear in the INFO pane. An example is shown below.



11:00 🖪 🕑		\$l 💷
← WMP-0	00025122	0
NFO		GET INFO
Firmware Revision		v8027a
Serial Number		251220
Volume Consumed		0,000m ³
Valve Status		Open 100%
LoRaWan Scheduler		0h10m0s
Flow Rate		0,000litre/h
Leak Min Under Threst	hold Duration	5h0m0s
Leak Min Over Thresho	old Duration	1h0m0s
Burst Min Under Thres	hold Duration	0h0m0s
Burst Min Over Thresh	old Duration	0h0m0s
Request Date		2023.06.29 14:42
INFO CODES		0x0000008
Leak		No
Burst		No
ReverseFlow		No
Dry		Yes
LowBattery		No
ClockInvalid		No
LowTemperature		No
WanModemFault		No
HardwareFault		No
Tamper		No
ValveTamper		No
MagneticField		No
NotCalibrated		No
FirmwareChanged		No
CoefChanged		No
ValveClosed		No
ValveConnectionError		No
ValveMagneticField		No
ManufactureSpecific		No
Ø		
Device	Profile	Update
		4

3.2.6 EXPORT INTERVAL PROFILES TO CSV FILE

To export the profiles intervals, tap *PROFILE* button.

8:52			🗴 🕄 🕹
	WMP-000	025122	0
valve St	atus		open 100%
LoRaWa	n Scheduler		0h10m0s
Flow Rat	te		0,000litre/h
Leak Mir	n Under Threshold	Duration	5h0m0s
Leak Mir	n Over Threshold I	Duration	1h0m0s
Burst Mi	n Under Threshol	d Duration	0h0m0s
Burst Mi	n Over Threshold	Duration	0h0m0s
Request	Date		2023.07.25 08:51
INFO CC	DES		0x0000008
Leak			No
Burst			No
Reverse	Flow		No
Dry			Yes
LowBatt	ery		No
ClockInv	alid		No
LowTem	iperature		No
WanMoo	demFault		No
Hardwar	reFault		No
Tamper			No
ValveTa	mper		No
Magneti	cField		No
NotCalib	orated		No
Firmwar	eChanged		No
CoefCha	inged		No
ValveClo	osed		No
ValveCo	nnectionError		No
ValveMa	gneticField		No
Manufad	ctureSpecific		No
Open ⁻	100%		SET VALVE STATE
D	@ evice	Profile	Update
		0	

To choose the day or hourly profiles, tap *REQUEST HOURLY PROFILE* button or REQUEST *DAILY PROFILE* button.



8:53			\$ ≝atl ©	83)
÷	WMP- v.1.0.0.14	0000251220		
		REQUEST HOURLY PROFILE		
		REQUEST DAILY PROFILE		
D	evice	Profile	Update	
			•	

To send chosen profile for processing tap *Distribution* button.



To send the .csv file choose the way suitable for you: Cloud, Viber, Gmail, etc.



3.3 Device Update

To update the meter, tap the UPDATE button and select the update file. Note that the application accepts only files with .imgx extension (it must be already downloaded on your android device). If the file with different extension is selected, the application rejects it - the Fimware update Error window is displayed.

9:25	\$l 🚥	9:25		8ti 💷	9:25		🕲 hi: \$	9:25		\$t 💷
← WMP-00	00251534	← ₩	/MP-0000251534		← ₩			← ₩	MP-000025153	4
INFO	GET INFO	Meter version	v8023a		Meter version:	v8023a		Meter version:	v8023a	
Firmware Revision	v8023a 251534	Outour Film			Only of City			0.1		
Volume Consumed	40.712m ³	Select File:	L_RUSA_U_BAREM.pdt		Select File:	L_RUSA_U_BAREM.pdf		Select File:	L_RUSA_U_BAREM.pdf	
Valve Status	Open 1%				START			START -> OK		
LoRaWan Scheduler	6h0m0s				STAN			InitiateImageTr	ansfer Image transfer sto	opped because it is not
Flow Rate	0,000litre/h							initiated	-	
Request Date	2023.02.07 09:25									
INFO 00050										
INFO CODES	No									
Burst	No									
ReverseFlow	No									
Dry	Yes									
LowBattery	Yes									
WanModemFault	No									
HardwareFault	No					Device Updating				
Tamper	No									
ValveTamper	No									
MagneticField	NO									
FirmwareChanged	NO									
CoefChanged	No									
ValveState	Connected									
ValveConnectionError	No									
Open 100%	SET VALVE STATE		START						START	
	SETLORAWAN									
Device	Profile Update	Device	Profile	LD Update	C Device	Profile	↓ Update	Device	Profile	Update
	•			4						

Tap the UPDATE button. The meter update takes place in several steps:

- 1. The image file is transferred to the meter.
- 2. The image integrity is verified.
- 3. The image is activated and the *Firmware update Success* window is displayed.

Go to *Device* tab and make sure that the meter firmware version has changed.



• WARE-0000251534 • WARE-0000051534 • WARE-0000251534 • WARE-0000251	15:25 戌 日	0	\$ (lat) 000 #	15:26 戌 日	٥	\$ Sat 🚥 (15:26 🖧 🖬	•	\$ti 📼	≠ 15:28 £	480	\$:Lati œ0 ≠	15:30 🖧 🕫	9 P	र्ष देवा 🚥
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	@ Device	START	L1 Update	@ Device	START Profile	Update	@ Device	START	, Lj Update	Open 10 6 hours	00%	SET VALVE STATE SET I ORAWAN Update			

NOTE: No action is permitted for LORAWAN server during the process of Device Update.