



Technical Information

OetroSmart

Connected room thermostat

Product evolutions, compatibilities and functionalities


JS

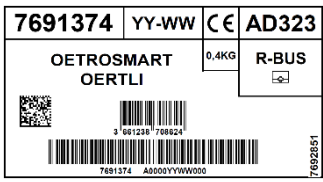
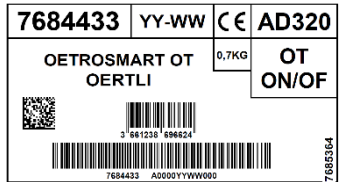



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19/03/2020

1. Compatibilities

The **Oetro-Smart** connected room thermostats are available in two versions:

- package **AD323** (without Gateway) : for compatible appliances (**native R-BUS**) which can be identified thanks to the  logo on the nameplate and the connection board.
- package **AD320** (with Gateway) for appliances who need a **GTW 16 Gateway** (ON/OFF or Opentherm connection).

APPLIANCES	Oetro-Smart native R-BUS (without Gateway)	Oetro-Smart with GTW16 Gateway
Pack no.	 <p style="text-align: center;">AD323</p>	 <p style="text-align: center;">AD320</p>
Compatible products	<ul style="list-style-type: none"> • OenoviaPac-Colonne with  logo • OEcoil Condens-2 • Oecoil Condens with  logo, • Oecoil with  logo, • GMX-S 2024 • GMC 3000 Condens, • GMC 3000 Combi, • GMC 3000 CS, • GMR 6000, • GMR 6160 Condens • GSC 150 45-115 Oetrocom 3 • OSCR Max • VM-Oetrocom 3 MR 	<p>ON / OFF connection:</p> <ul style="list-style-type: none"> • OenoviaPac-Slim • OenoviaPac-First • Oenoviadens-Hybrid • Oecoil-Hybrid • Oecoil / Oecoil Condens (<i>avant 2018</i>), • OenoviaPac-Colonne (<i>avant 2018</i>), • Domonet <p>ON/OFF or OpenTherm connection:</p> <ul style="list-style-type: none"> • GMR 1000 Condens, • GMX-M 2024..., • GSCX 25 Condens,

2. Updating of the Cetro-Smart software version

IMPORTANT: the **Cetro-Smart** must be **connected to the internet** to allow the **automatic update** of its software version overnight. The following connections must be established:

- Wi-Fi connection
- Internet access
- Access to the server

The update is performed to the latest version: minimum version **1.64.6** (current version).

From factory, the **Cetro-Smart** are delivered in version **1.56.7**.

If there is no WiFi network, where the **Cetro-Smart** is installed, perform the **manual updating** of the **Cetro-Smart** software (this is possible from **Cetro-Smart** version 1.30), as described below :

1. Connect to internet by wifi, as the case may be:
 - use the connection sharing on your smartphone (Networks -> Connection sharing -> Activate " Wifi hotspot "),
 - or take the **Cetro-Smart** to a place where there is internet
2. Access to the **WiFi menu** of the **Cetro-Smart** to get connected:
 - select the network
 - enter the password with the **Cetro-Smart** knob, and confirm by selecting ✓ .
 - the **Cetro-Smart** displays a message to confirm the connection.
3. Select **Settings**-menu.
4. Select **Check for software update** sub-menu.
The status of the software is displayed on the screen.
5. When the software has been successfully updated (after a few minutes):
 - The **Cetro-Smart** restarts, then returns to the current display.
 - The software version can be checked in the menu « Technical Information. » of the **Cetro-Smart**.
 - The message « Software updated » is displayed.

3. Operating conditions

IMPORTANT: at the first start, please update the **Cetro-Smart** software version in order to ensure optimal operation and allow messages and error codes to be sent back up (see above for the manual update procedure).

- The **Cetro-Smart** from software version **1.64.6**, can be used for appliances **connected in cascade**.
- The **Cetro-Smart** can only manage **DHW production** if DHW production is managed by the mainboard:
 - on a heatpump : **EHC-xx**
 - on gas fired boilers : **CU-GHxx**
 - on oil fired boiler : **CU-OHxx**
- The electronic cards of the appliances must be **at least at the software version** indicated in the table hereafter (Chapter 4.). Otherwise, use the AD320 package (with Gateway).

4. Minimum software versions required and functionalities (for versions with AD323)

The connection diagrams are given in the APPENDIX hereafter (click on “See” to access the corresponding diagram).

i The hybrid versions require the use of the AD320 package.

Appliance	Electronic cards and minimum versions required*			Heating	DHW	Error codes	Link
	Mainboard*	Connection 1st circuit	Connection 2nd circuit				
OENOVIPAC-COLONNE (MHR-C-V200 Oetrocom 2)	EHC-04 SW2.02	EHC-04 SW2.02	SCB-04 SW1.00	YES (Heating +Cooling)	YES	YES	See
GMC 3000(1) GMC 3000 Combi(1)	CU-GH08 SW 1.7	CB-03(3)	CB-03(3) + SCB-10 SW1.02	YES	YES	YES	See
GMC 3000 CS(1)	CU-GH08 SW 1.7	CB-03	SCB-10 SW1.02	YES	NO	YES	See
GMX-S 2000	CU-GH09 SW 1.0	CB-06 SW 1.0	-	YES	YES	YES	See
OEcOil OEcOil Condens-2	CU-OH-04 SW3.00	CU-OH-04 SW3.00	SCB-04 SW1.00	YES	YES	YES	See
GMR 6000 45-115(1)	CU-GH08 SW 1.7	SCB-10 SW1.02	SCB-10 SW1.02	YES	NO	YES	See
GMR 6160 Oetrocom 3 (2)	CU-GH06 SW 2.1	SCB-10 SW1.02	SCB-10 SW1.02	YES	NO	YES	See
GSC 150 Oetrocom 3 (1)	CU-GH08 SW 1.7 +CB09	SCB-10 SW1.02	SCB-10 SW1.02	YES	NO	YES	See
OSCR 45-60-90-120 (1)	CU-OH-02	SCB-10 SW1.02	SCB-10 SW1.02	YES	NO	YES	See
VM-OETROCOM-3 MR (2)	EEC-01 SW1.00	EEC-01 SW1.00	EEC-01 SW1.00	YES	NO	YES	See

* In case of a lower software version, use package AD320.


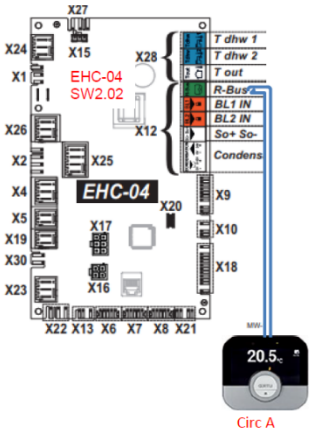
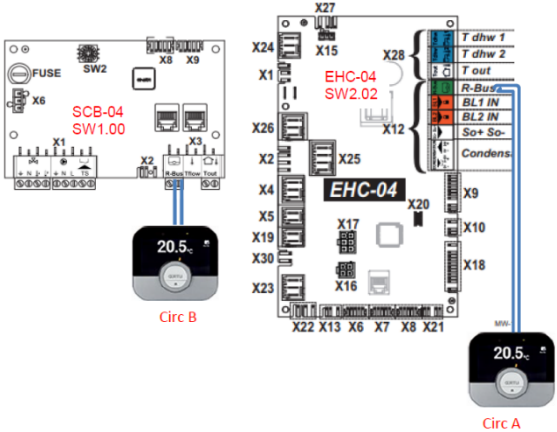
(1) Cetro-Smart is **not compatible** with a cascaded system.

(2) Cetro-Smart is compatible with a cascaded system, from Cetro-Smart software version **1.64.6**.


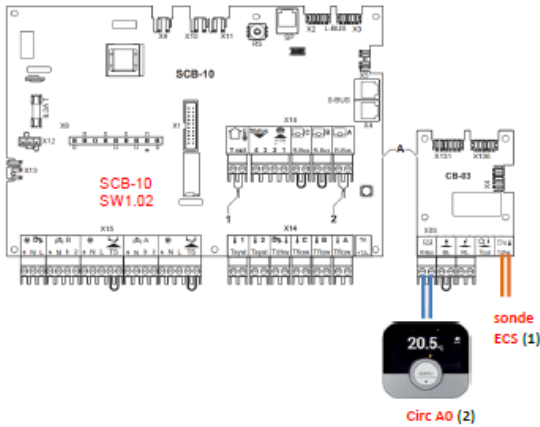

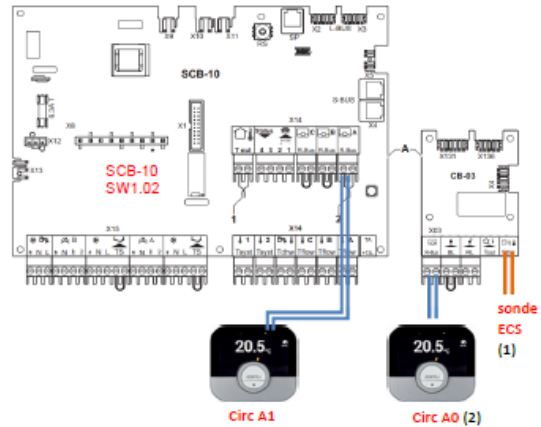


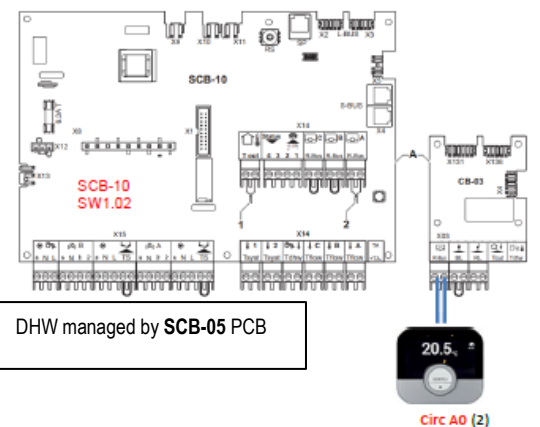

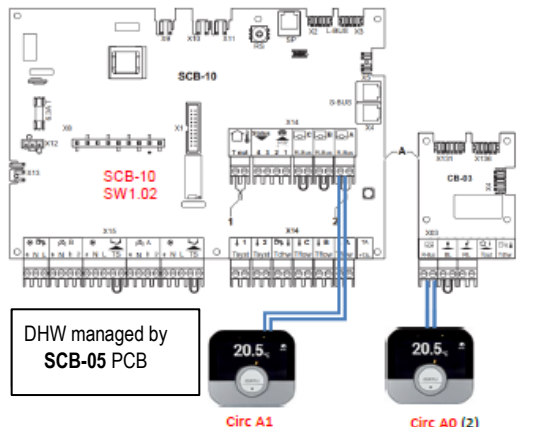

(3) Use of the pump integrated in the boiler for the DHW circuit and the direct heating circuit. When connected to the SCB-10 PCB, the pump integrated in the boiler is not used for the circuit: so a load pump must also be connected to the SCB-10 PCB.

APPENDIX

OENVIAPAC-C COLONNE-CONFORT


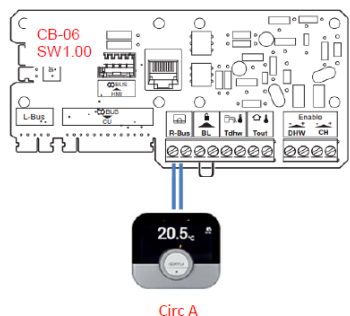
APPLIANCE	1 circuit (+ DHW)	2 circuits
OENVIAPAC-C COLONNE CONFORT (MHR-C-V200) 		

GMC 3000


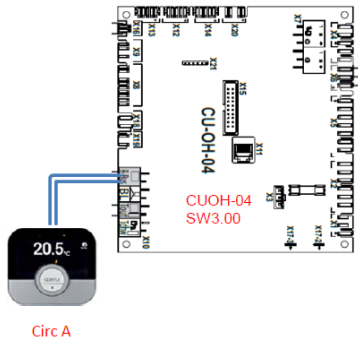
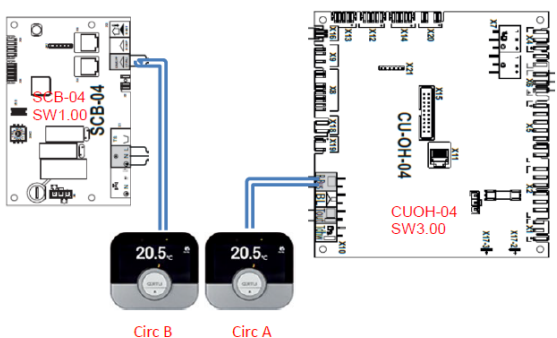
APPLIANCE	1 circuit (+ DHW)	2 circuits (+ DHW)
GMC 3000 GMC 3000 Combi 	 <p>Parameters to check in the Installer level :</p> <ul style="list-style-type: none"> - Press  menu button and select Installation setup : - Sub-menu CUHG-08 > CIRCA > Functionality of the zone (CP020) = direct - Sub-menu SCB10 > CIRCA1 > Functionality of the zone (CP020) = disable. 	 <p>Parameters to check in the Installer level :</p> <ul style="list-style-type: none"> - Press  menu button and select Installation setup : - Sub-menu CUHG-08 > CIRCA > Functionality of the zone (CP020) = direct - Sub-menu SCB10 > CIRCA1 > Functionality of the zone (CP020) = Mixing circuit (to adapt depending on the circuit type).
GMC 3000 CS 	 <p>DHW managed by SCB-05 PCB</p> <p>Parameters to check in the Installer level :</p> <ul style="list-style-type: none"> - Press  menu button and select Installation setup : - Sub-menu CUHG-08 > CIRCA > Functionality of the zone (CP020) = direct - Sub-menu SCB10 > CIRCA1 > Functionality of the zone (CP020) = disable. 	 <p>DHW managed by SCB-05 PCB</p> <p>Parameters to check in the Installer level :</p> <ul style="list-style-type: none"> - Press  menu button and select Installation setup : - Sub-menu CUHG-08 > CIRCA > Functionality of the zone (CP020) = direct - Sub-menu SCB10 > CIRCA1 > Functionality of the zone (CP020) = Mixing circuit (to adapt according on the circuit type).

- (1) Sonde ECS = DHW sensor. Using the built-in pump of the boiler for the DHW circuit.
 (2) Use of the pump integrated in the boiler for the direct heating circuit and visibility of the DHW function (only AMC and AMC MI).


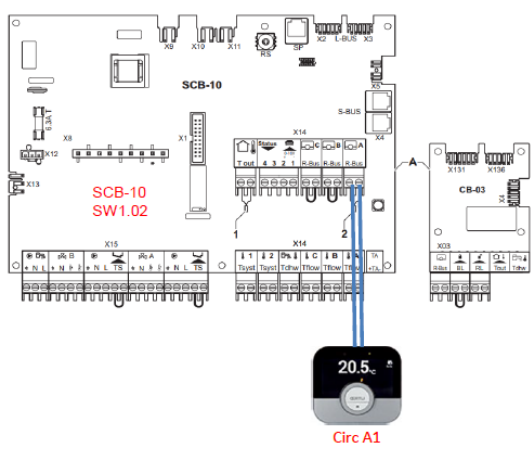

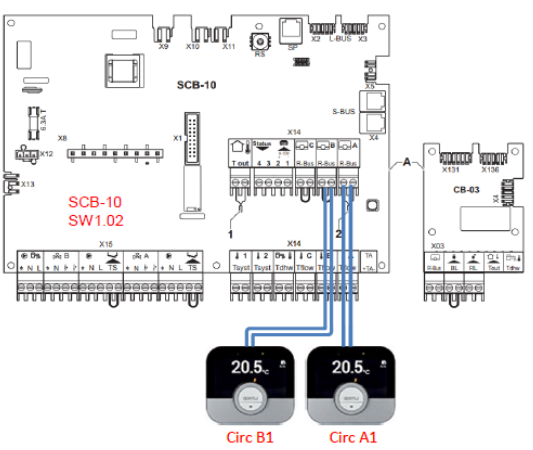

GMX-S 2000

APPLIANCE	1 circuit (+ DHW)	2 circuits
		NO


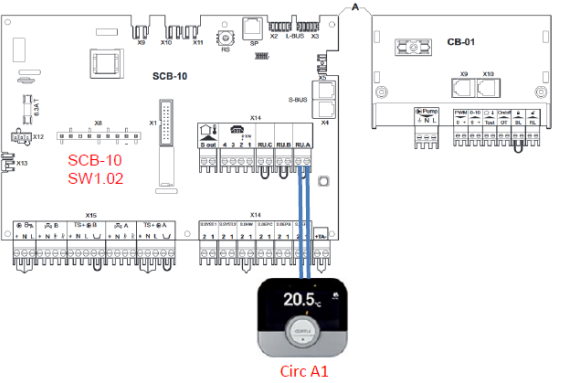

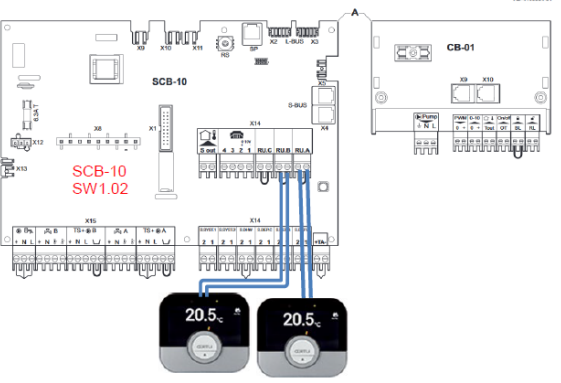

Oecoil / OEcoil Condens-2

APPLIANCE	1 circuit (+ DHW)	2 circuits
		


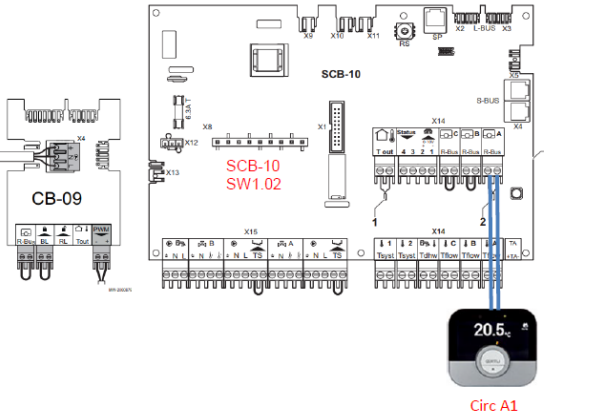

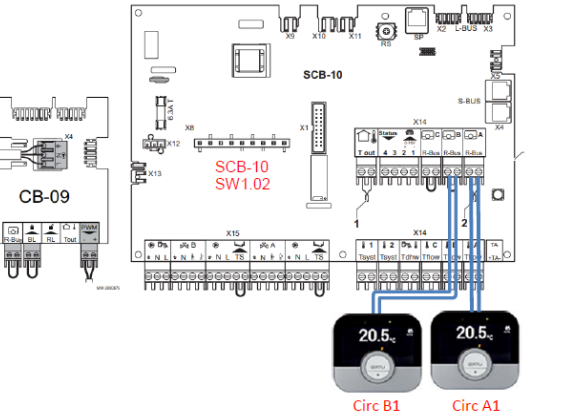

GMR 6000 - 45 - 65 - 90 - 115

APPLIANCE	1 circuit	2 circuits
	 <p>Parameters to check in the Installer level :</p> <ul style="list-style-type: none"> - Press  menu button and select Installation setup : - Sub-menu CUHG-08 > CIRCA > Functionality of the zone (CP020) = Disable - Sub-menu SCB10 > CIRCA1 > Functionality of the zone (CP020) = Direct (to adapt according on the circuit type). 	 <p>Parameters to check in the Installer level :</p> <ul style="list-style-type: none"> - Press  menu button and select Installation setup : - Sub-menu CUHG-08 > CIRCA > Functionality of the zone (CP020) = Disable - Sub-menu SCB10 > CIRCA1 > Functionality of the zone (CP020) = Direct (to adapt according on the circuit type). - Sub-menu SCB10 > CIRCB1 > Functionality of the zone (CP020) = Direct (to adapt according on the circuit type).


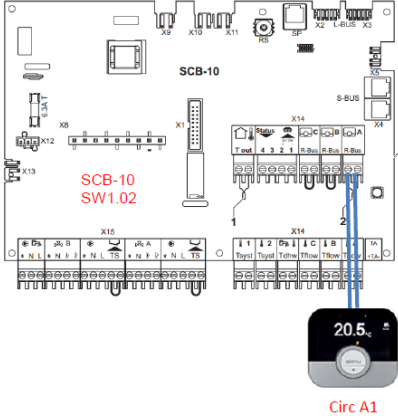

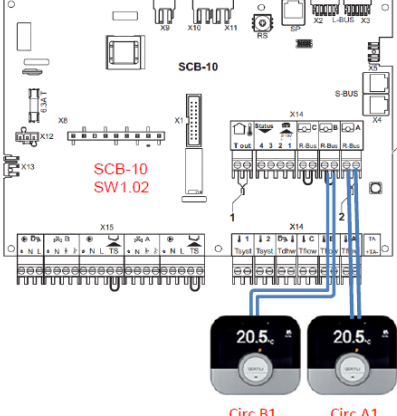

GMR 6160 Condens

APPLIANCE	1 circuit	2 circuits
<p>GMR 6160</p> 	 <p>Parameters to check in the Installer level :</p> <ul style="list-style-type: none"> - Press  menu button and select Installation setup : - Sub-menu CUHG-06 > CIRCA > Functionality of the zone (CP020) = Disable - Sub-menu SCB10 > CIRCA1 > Functionality of the zone (CP020) = Direct (to adapt according on the circuit type). 	 <p>Parameters to check in the Installer level :</p> <ul style="list-style-type: none"> - Press  menu button and select Installation setup : - Sub-menu CUHG-06 > CIRCA > Functionality of the zone (CP020) = Disable - Sub-menu SCB10 > CIRCA1 > Functionality of the zone (CP020) = Direct (to adapt according on the circuit type). - Sub-menu SCB10 > CIRCB1 > Functionality of the zone (CP020) = Direct (to adapt according on the circuit type).


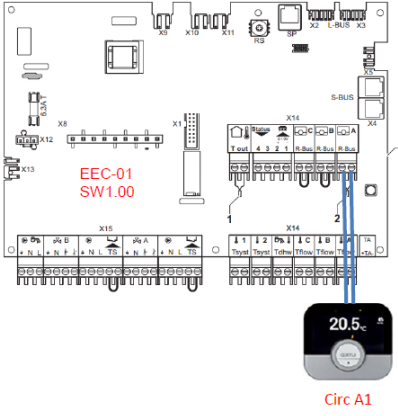

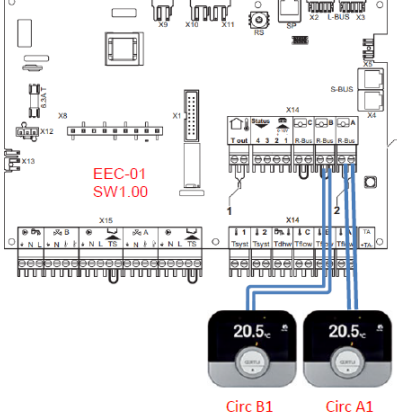

GSC 150 Oetrocom 3

APPLIANCE	1 circuit	2 circuits
<p>GSC 150 45-115</p> 	 <p>Parameters to check in the Installer level :</p> <ul style="list-style-type: none"> - Press  menu button and select Installation setup : - Sub-menu CUHG-08 > CIRCA > Functionality of the zone (CP020) = Disable - Sub-menu SCB10 > CIRCA1 > Functionality of the zone (CP020) = Direct (to adapt according on the circuit type). 	 <p>Parameters to check in the Installer level :</p> <ul style="list-style-type: none"> - Press  menu button and select Installation setup : - Sub-menu CUHG-08 > CIRCA > Functionality of the zone (CP020) = Disable - Sub-menu SCB10 > CIRCA1 > Functionality of the zone (CP020) = Direct (to adapt according on the circuit type). - Sub-menu SCB10 > CIRCB1 > Functionality of the zone (CP020) = Direct (to adapt according on the circuit type).

OSCR MAX 45 - 60 - 90 - 120

APPLIANCE	1 circuit	2 circuits
<p>OSCR MAX 45-60-90-120</p> 	 <p style="text-align: center;">Circ A1</p> <p>Parameters to check in the Installer level :</p> <ul style="list-style-type: none"> - Press  menu button and select Installation setup : - Sub-menu CUOH-02 > CIRCA > Functionality of the zone (CP020) = Disable - Sub-menu SCB10 > CIRCA1 > Functionality of the zone (CP020) = Direct (to adapt according on the circuit type). 	 <p style="text-align: center;">Circ B1 Circ A1</p> <p>Parameters to check in the Installer level :</p> <ul style="list-style-type: none"> - Press  menu button and select Installation setup : - Sub-menu CUOH-02 > CIRCA > Functionality of the zone (CP020) = Disable - Sub-menu SCB10 > CIRCA1 > Functionality of the zone (CP020) = Direct (to adapt according on the circuit type). - Sub-menu SCB10 > CIRCB1 > Functionality of the zone (CP020) = Direct (to adapt according on the circuit type).

VM-OETROCOM-3 MR

APPLIANCE	1 circuit	2 circuits
<p>VM OEtroCom-3 MR</p> 	 <p style="text-align: center;">Circ A1</p> <p>Parameters to check in the Installer level :</p> <ul style="list-style-type: none"> - Press  menu button and select Installation setup : - Sub-menu SCB10 > CIRCA1 > Functionality of the zone (CP020) = Direct (to adapt according on the circuit type). 	 <p style="text-align: center;">Circ B1 Circ A1</p> <p>Parameters to check in the Installer level :</p> <ul style="list-style-type: none"> - Press  menu button and select Installation setup : - Sub-menu SCB10 > CIRCA1 > Functionality of the zone (CP020) = Direct (to adapt according on the circuit type). - Sub-menu SCB10 > CIRCB1 > Functionality of the zone (CP020) = Direct (to adapt according on the circuit type).