



**BERNARD®
CONTROLS**

Invest in Confidence



AT LOGIC RANGE



Start Up Guide

SUG_17011_EN - Ind. A
Art : 5100582

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1 SAFETY

This device complies with current applicable safety standards.

Installation, maintenance, and use of this unit require a skilled and trained staff.

Please carefully read this whole document before mounting and starting-up the actuator.

2 PACKAGING, STORAGE AND MAINTENANCE

2.1 Packaging

AT actuators packaging is comprised of a dual-layer carton strapped on a pallet. For certain non-EU countries or on request, the pallets are heat treated to standard NIMP 15 and IPPC-stamped.

This packaging is identical for shipping by road, air or sea, unless otherwise provided in the contract.

2.2 Storage

Actuators should be stored under a shelter, in a clean and dry place and at a stable ambient temperature.



- Avoid placing the actuator directly on the floor
- Check that plugs of cable entries are correctly tightened.
- Check that cover screws are correctly tightened to ensure weatherproof sealing of the cover

AT actuator includes electrical components and lubricated gear stages. Even with a weatherproof enclosure, oxidation, seizing and other alterations may occur if actuator is not correctly stored.



Heating resistor should be connected to power supply especially if the storage place is wet.

What to check after storage

1. Visually check the electrical equipment.
2. Manually operate buttons, selectors, etc., to ensure their proper mechanical functionality.
3. Manually operate the actuator for a few travels.

What to check on pre-installed actuators

If you expect a long period between actuator mounting and electrical wiring:

- | 1. Visually check that cable entries and cover are tightly closed.

2.3 Maintenance

All AT actuators feature lifetime lubrication and therefore require no specific maintenance, if they were correctly commissioned and used in conditions foreseen by design.

3 ACTUATOR INSTALLATION

3.1 Fastening actuator on the valve

Actuator should be secured directly to the valve using proper bolts or via a proper interface.

After assembly, the actuator can operate in any position.



However:

- do not handle the actuator by handwheel to avoid damage on actuator gearing.
- cable glands must not be oriented upwards (loss of water tightness).
- It is recommended not to position motor downwards.

3.2 Opening the control compartment

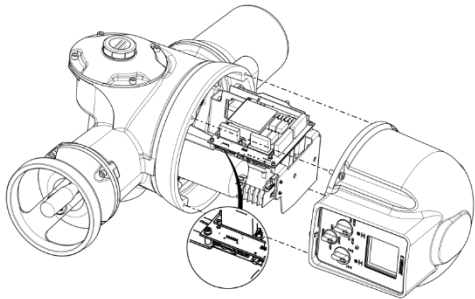
You need to open the control compartment and remove the cover in order to wire actuator.



When opening, unplug the control panel cable from the main board in order to avoid to damage it.

How to remove the cover

1. With 10mm angled socket wrench or flat blade screwdriver, unscrew the 4 screws from the housing.
2. Pull out the cover along its axis.
3. When cover plug is accessible, unplug it from the main board.
4. Remove the cover completely.



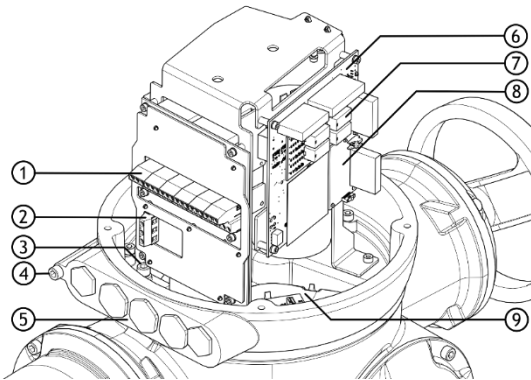
3.3 Electrical wiring



Ensure wires are not supplied with electric power before wiring is finished and the control compartment is closed.

If you need to open control compartment, previously cut off power supply to the actuator.

3.3.1 Components (with cover open)



-
- | | |
|------------------------------|----------------------------|
| 1 - Control terminal block | 6 - Main board |
| 2 - Power terminal block | 7 - 4-Relay board (option) |
| 3 - Internal ground terminal | 8 - AI/AO board (option) |
| 4 - External earth terminal | 9 - Modular reduction gear |
| 5 - Cable entries | |
-

Control panel board is attached on the actuator cover.

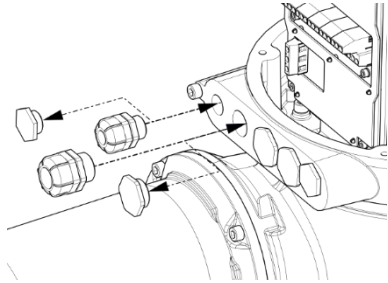
3.3.2 Installing cable glands

AT actuator is fitted with 2×M16 and 3×M20 cable entries.

How to install cable glands

For each cable entry used

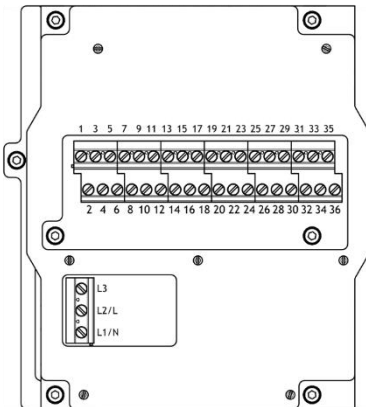
1. Remove plug from the cable entry with 19mm (M16 entry) or 23mm (M20 entry) open-end wrench.
2. Separate sealing nut from its cable gland.
3. Screw and tighten cable gland in the cable entry.
4. Thread the sealing nut on the cable and pass the cable through the cable gland.



Unused entries must be kept closed by their plugs as they are part of the components allowing actuator IP67 protection setting.

3.3.3 Wiring power and control cables

Terminal blocks



Terminal blocks are located on a side of the electronic assembly and consists of screwed terminals. There are 2 main blocks: 1st is to connect power supply, 2nd to connect command and signaling.

Control terminals are 1-35 & 2-36

Power terminals (3Ph/1Ph)

- **3Ph:** L1, L2, L3 with phase correction
- **1Ph:** L (Live), N (Neutral)

Both heating resistor and torque limit switches must be integrated into your control system in order to prevent potential damage to the actuator or valve.

Internal ground terminal

The ground terminal is a tapered hole in the plate, located under the terminal blocks board at its left (see following picture).

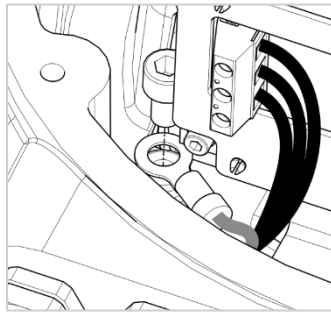
How to wire actuator

The wiring must be done according to the wiring diagram of your actuator.

1. Make sure that power supply voltage matches information on the label on the side of the actuator.

Using a 3×0.5mm flat blade screwdriver and a 4 mm Allen key

2. Connect power supply on terminals marked L1, L2 & L3 (3Ph) or L, N (1Ph) according to your supply type.
3. Fix the ground cable on the ground terminal.
4. Connect control and signaling wires on uneven (marked 1 to 35) and even (marked 2 to 36) upper terminals.
5. Tighten sealing nut on the cable gland when you have finished wiring.
6. Ensure whole cable glands are correctly tightened.



Power supply board

Power supply board supplies actuator with electrical power.

Power characteristics are factory set according to your order.

Fuse

You have a fuse at the upper left angle of the board (see picture).

Its characteristics are the following:

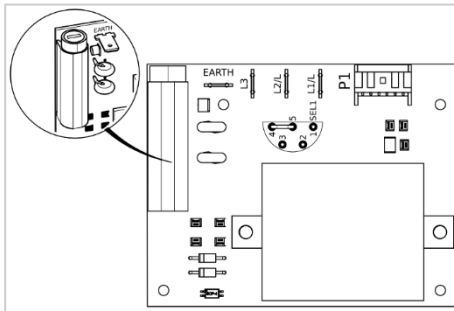
Fuse current	500 mA	Fuse size (mm) (inches)	6.3×32 1/4"×1-1/4"
Voltage rating VAC	500 V	Blow characteristic	Fast acting
Breaking current capacity current AC			1 kA

Relays

AT Logic actuator is equipped with 3 relays, to which you can optionally add a 4-Relays board.

Function of each relay can be set.

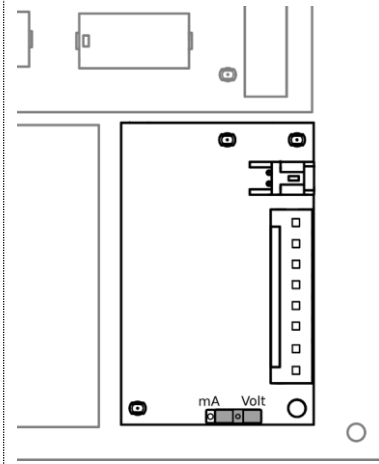
➔ To see possible settings and set relays, see §5.9.



Positioner board (OPTION)

Positioner board is assembled on the main board.

You can switch between **mA** and **V** using the small switch at the base of the board according to your needs.



Heating resistor

Each actuator includes a heating resistor.

As soon as the actuator is installed in the field, it is recommended to supply the resistor to prevent condensation.



- Immediately put the cover back in place after installation while ensuring its seal is clean. Never leave actuator electrical components without their protection cover.

In case of water intrusion:

- dry electrical components before putting back the cover.
- check electrical insulation.

3.4 Closing the control compartment



Make sure to re-plug the cover on the mainboard, otherwise control panel (see page 14) will not work.

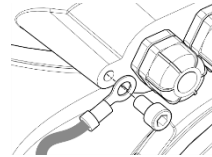
How to close electrical compartment

1. Plug the cover on the mainboard.
2. Put back the cover, with the screen accurately oriented for operation and lean it on the housing.
3. With 10mm angled socket wrench or flat blade screwdriver, tighten the cover on the housing with its 4 screws.

3.5 Wiring the external ground terminal

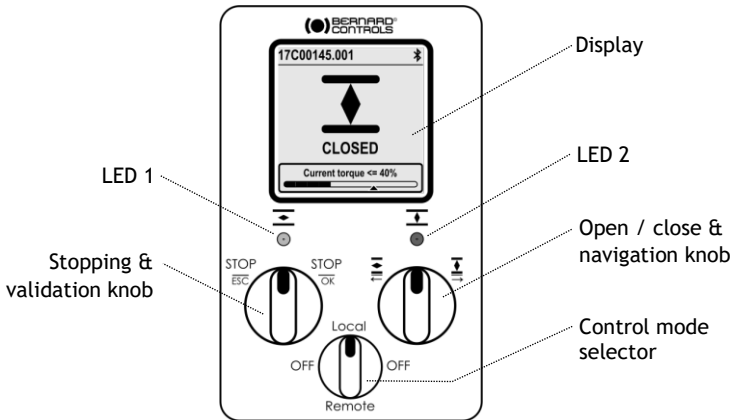
Crimp the end of the earth cable with a 6mm ring lug.

Then fix it on the housing using a 5mm Allen key, at its location foreseen close to the cable entries.





4 ACTUATOR CONTROLS

4.1 Control panel



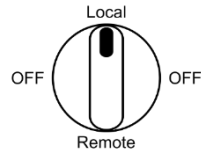
AT Logic control panel consists of a **screen**, **2 control knobs**, **1 control selector** and **2 configurable LEDs**.

Screen	Screen displays operating status or Logic menu
Control selector	<p>Control selector allows to choose the control mode:</p> <ul style="list-style-type: none"> • Local: actuator is controlled using this Control panel or Smartphone via Bluetooth® • Remote: actuator is controlled remotely • OFF: controls are deactivated <p>Your actuator is set on Local at startup.</p> <p>You can lock the control mode with an optional padlock at the bottom of the control panel.</p>
Knobs	Knobs are used for operation (upper mention) or menu navigation (lower mention). Once released, these knobs return to center position.
LEDs	<p>LEDs indicate actuator status (CLOSED  or OPEN .</p> <p>Default colors are red for CLOSED and green for OPEN, and can be set (see §5.8), according to your country.</p> <p>One will blinking during operation according to travel direction, and both at Bluetooth® connection.</p>

4.2 Control modes

AT logic can be controlled locally or remotely.

Mode is set using **Control selector** on the control panel. It can be locked using a padlock located at the bottom of control panel.

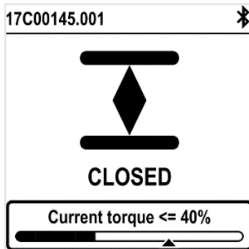


Modes are:

- Local mode with control panel or Smartphone via Bluetooth® connection
- Remote mode
- Forced local mode when in Remote mode using the Application
➔ This mode requires first to be authorized, see §5.10.

4.3 Local control with Control panel

4.3.1 Operation



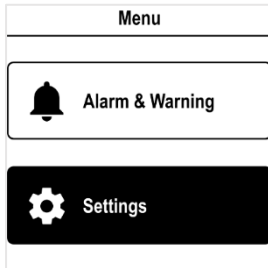
Operation screen indicates...

- **Top:** actuator id and status icons
 - ⚠: warning / ☒: alarm
 - 📶: Bluetooth® activated
 - 📶: Bluetooth® activated with d1evice connected
 - 🔒: Control panel locked
- **Center:** current position of the valve, either CLOSED, current percentage between 0 and 100% depending on the travel direction, or OPEN
- **Bottom:** torque level with a torque gauge and an arrow marker to indicate torque limit set

Knobs use

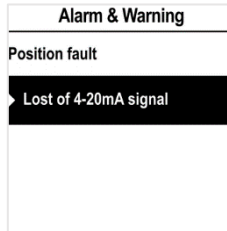


4.3.2 Settings



Menu screen has 2 main sections...

- Alarm and warnings



- Settings that allows you to check or change the settings of the actuator: valve tag, password, torque limits, Bluetooth®, etc.

Knobs use

Menu navigation			
Left knob		ESC	↑ (up)
		OK	↓ (down)
	Edition		
	← (1 digit left)	- (decrease values)	
	→ (1 digit right)	+ (increase values)	
			Right knob

4.4 Local control with Smartphone application

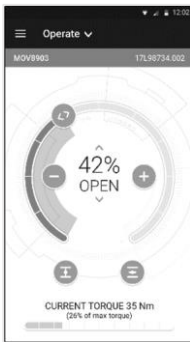
Using the Bluetooth® connection of your actuator, you can operate it with Bernard Control smartphone application (**BC App**).



- Bluetooth® is active on the actuator at delivery.
- Using the Local control with BC App requires to have Bluetooth® activated on your smartphone

You need first to download the application, install it on your phone, then connect to your actuator by entering an access code. See Appendix for preliminary steps.

4.4.1 Operation screen



Before operation



During operation

Status screen indicates...

- **Top:**
 1. access to main menu
 2. alternately valve tag and mainboard reference, or control mode
 3. warnings or alarms if any
- **Center:** current position of the valve, either CLOSED, opening percentage between 0 and 100%, or OPEN.

You got the following commands to operate the valve:

<> defines target position on the dial with a swipe

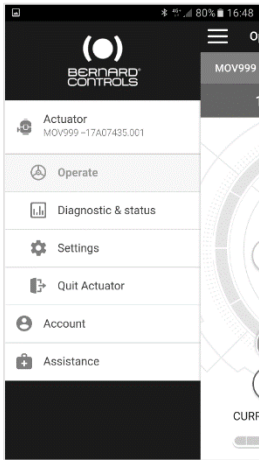
- decreases / **+** increases the opening target with one or several taps

↓ closes / **↑** opens the valve

- **Bottom:** torque level with a torque gauge

4.4.2 Main menu

You can access the main menu anytime by tapping on .

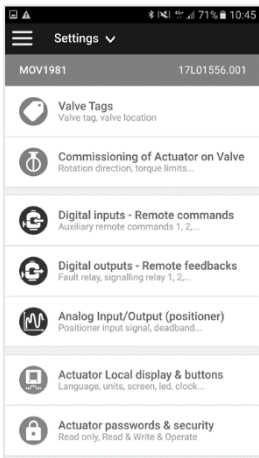


From main menu, you can access...

- Actuator
 - Operation
 - Diagnostic & status
 - Actuator settings
 - Quit
- Account data
- Assistance info

4.4.3 Settings screen

From the main menu, you can access the settings.



Menu screen has 2 main sections...

- **Top:** access to main menu, then valve tag and mainboard reference
- **Settings list:**
 - Valve identification
 - Commissioning of valve
 - Inputs / Outputs / Bus
 - Actuator local settings
 - Access code definition
 - Reset to factory data

4.5 Remote control

The AT Logic remote control system can be operated using an external or an internal voltage supply.

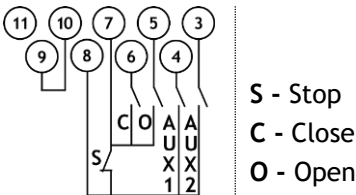
The input circuits are fully opto-isolated. The self-hold pulse command system requires 4 connecting wires on the client terminal strip: Common, STOP, OPEN and CLOSE. If the STOP push-button is not used, do not connect the STOP wire, OPEN (or CLOSE) contact must be maintained to operate the actuator.



These commands are self-holding (pulse commands) as a standard. To remove self-holding, remove wire to terminal 7.

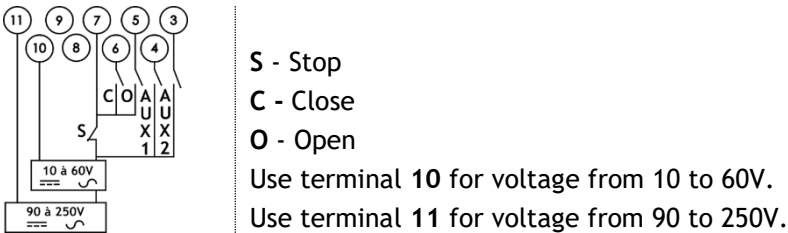
4.5.1 Dry contact control

A jumper must be fitted across customer terminal 9-10.



4.5.2 Voltage control

Remote control can use either in AC or DC voltage.

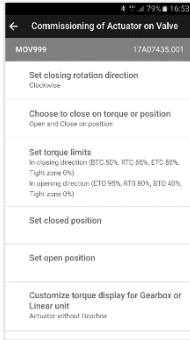


It is imperative to comply with voltage ranges mentioned above, otherwise component will not function or will be damaged.

5 COMMISSIONNING

This section describes the commissioning with the Control panel, except otherwise mentioned.

You can set the same settings with App from the menu **Settings > Commissioning of Actuator on valve**.



In order to access the actuator settings, control mode must be set to **Local mode**.

5.1 Accessing the actuator menu

To be able to set the actuator software or check the warnings or alarms, you need to access the actuator menu, either with Control panel or BC App depending on which Local control you use.



It is your responsibility to set the security of the Local Commands (Control Panel or Smartphone Application) for your process:

- The default position of the **Control selector** button should be on **Remote**
- The **Access Code** of the actuator should have been changed
- The remote command "Local Command Inhibition" (from DCS) should be active

To enter the actuator menu, you need first to enter the access code.



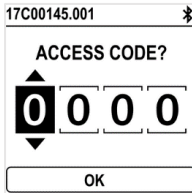
If you are the end-user:

At the first on-site start, we strongly advise you to modify the default **Bluetooth®** access codes. To proceed to these changes, please follow the 2 following procedures.

Initial access codes are 0000 to check settings or 9000 to modify them.

How to enter the access code with Control panel

1. Hold the left knob on the right, and turn left then right the right knob. Menu access screen appears.



17C00145.001

ACCESS CODE?

0 0 0 0

OK

2. Enter the access code
 - a. Set the digit value with ↓ and ↑.
 - b. Validate with **OK** when value is right.
 - c. Set the following digit.
If you validate a wrong value, choose **ESC** and reset it.
 - d. Once you have set all digits, validate with **OK**.



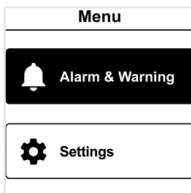
17C00145.001

ACCESS CODE?


9 0 0 0


OK

The actuator menu appears





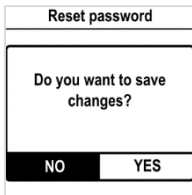
Menu

 Alarm & Warning

 Settings

How to reset the access codes

1. If the actuator is ON for more than 10 minutes, switch it OFF then switch it ON.
2. *When on the operation display,*
Hold both left knob  and right knob  during 10s.
Reset password screen appears.



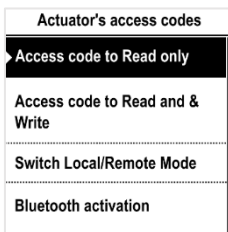
3. Select **YES** then validate with **OK**.
Access codes are now reset to 0000 and 9000. You can now set again your own access codes.

How to change the Bluetooth® access codes with Control panel



Bluetooth® access codes can only be changed using **Read & Write mode**.

1. Go to **Settings > Actuator's access code**.
Actuator's access codes screen appears.



2. Depending on the access code you need to change:
 - choose **Access code to Read & Write**
 - else choose **Access code to Read only**

3. Set each digit value with ↓ or ↑, and validate with OK.

Access code to Read & Write

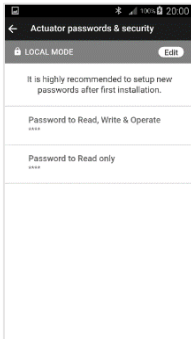
5 6 7 8

Save

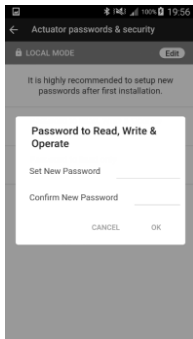
4. When all digits are set, select **Save** and validate with OK.
5. Go back to the root menu or quit the settings with several ESC.

How to change the Bluetooth® Access codes with BC App

1. Go to Main Menu
2. Select **Settings > Actuator passwords and security.**
3. The **Actuator passwords & security** menu appears.



4. Select the Password you want to change.

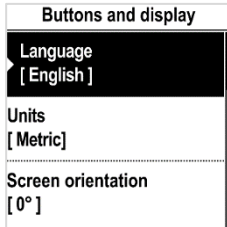


5. Enter your new password and confirm it.
6. Tap on **OK** to validate.

5.2 Set display language

How to change language of your display

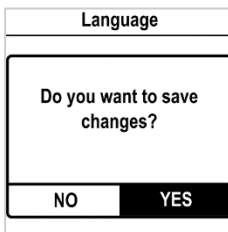
1. Enter the menu, then go to **Settings > Buttons & Display**.
The following screen appears.



2. Select **Language** then validate with **OK**. The following screen appears.



3. Select your language and validate with **OK**, then go to **Save** and validate it.
The confirmation screen appears.



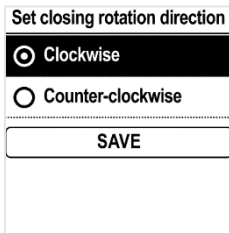
4. Select **YES** then validate with **OK**.
Display language changes accordingly.

5.3 Set closing rotation direction

Default setting for closing direction is clockwise. According to your needs, you may have to change your closing direction.

How to change closing direction

1. Enter the menu, then go to **Settings > Actuator commissioning > Set closing rotation direction**.



Set closing rotation direction

☒ Clockwise

☐ Counter-clockwise

SAVE

2. Choose the closing rotation direction required, **Clockwise** or **Counter-clockwise** with ↓ or ↑ then confirm with **OK**.
3. Go to **SAVE** with ↓ or ↑ then validate with **OK**.

5.4 Set closing and opening on torque or position

This section allows you to define the way you want to stop actuator travel in both directions. You can choose either **Position** or **Torque**.

How to set opening and closing type of end of travel

1. Enter the menu, then go to **Settings > Actuator commissioning > Choose to close on torque or position**.

Close on torque or position

☐ Open and close on position

☒ Open on position and close on torque

☐ Open on torque and close on position

☐ Open and close on torque

SAVE

2. Select your option with **↓** or **↑** then confirm with **OK**.
3. Select **Save** then validate with **OK**.

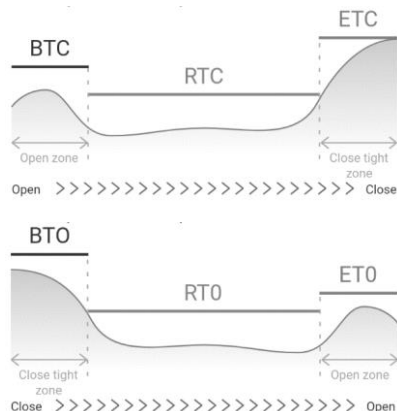
5.5 Set torque limits

This setting allows to set torque limits at main steps of the travel: at the beginning (**Break**), during the travel (**Run**) and at the end of the travel (**End**).

Limits are:

- In closing direction:
 - Break to Close (**BTC**), Run to Close (**RTC**), End to Close (**ETC**), Tight zone
- In opening direction:
 - Break to Open (**BTO**), Run to Open (**RTO**), End to Open (**ETO**), Tight zone

BTO must be higher than ETC and BTC higher than ETO.



How to set torque limits

1. Enter the menu, then go to **Settings > Commissioning**
2. Select **Set torque limits** and validate with **OK**.

Commissioning of actuator...

Set torque limits
[BTC 80%, RTC 50%,
ETC 100%, ETO 90%
RTO 100%, BTO No limit,
Tight zone 20%]

Set closed position

3. Select closing or opening direction and validate with **OK**.
Torque limits screen appears.

Torque limits in closing direc...

Break to Close (BTC)
80%

Run to Close (RTC)
50%

End to Close (ETC)
100%

Opening & closing zone
20%

Save

4. Select the limit to modify with **↓** or **↑** then validate with **OK**.
The torque limits setting screen appears.

Break to Close (BTC)
40% to 100% or no limit

0 8 0 %

☐ No limit

Continue

5. To set Break limits

- To set **No limit**, use **↑** or **↑** on 1st digit,

Break to Close (BTC)		
40% to 100% or no limit		
-	-	-
%		
<input checked="" type="checkbox"/> No limit		
Continue		

then **ESC**.

To set another value, validate 1st digit with **OK**, set the 2nd & the 3rd with **↓** or **↑** then validate each with **OK**.

Break to Close (BTC)		
40% to 100% or no limit		
0	8	0
%		
<input type="checkbox"/> No limit		
Continue		

When 3rd digit is validated with **OK**, go to **Continue** with **↓** and validate with **OK**.

You get back to the list of torque limit settings.

6. To set Run, End limits and Tight zone

Run to Close (RTC)	End to Close (ETC)	Opening & closing zone
40% to 100%	40% to 100%	3% to 20%
0	1	2
5	0	0
0	0	0
%	%	%
Continue	Continue	Continue

Set each digit value with **↓** or **↑** then validate with **OK**.
Validate **Continue** with **OK**.

- When you set all limits required, select **Save** and validate with **OK**.

5.6 Setting open and closed positions

5.6.1 Setting end positions

AT Logic features position sensor. To set end positions, you have first to record OPEN and CLOSED positions one after the other, depending on the first one set.

How to set CLOSED and OPEN position


1. Enter the menu, then go to **Settings > Commissioning > Set closed position** (depending on your needs).

The setting screen appears.

Set closed position

Use the actuator BUTTON to go to CLOSED position (0%)

Save

2. Close your valve using the closing knob .
3. When the valve is closed, validate **Save** with **OK**.

The confirmation window appears.

Set closed position

Please, confirm the Valve is in CLOSED position 0% to save this setting


Cancel Confirm

4. Validate **Confirm** with **OK**.
The setting screen for the opposite setting appears.

Set open position

Use the actuator BUTTON to go to OPEN position (100%)

Save

5. Open your valve using the opening knob .
An indication of stroke angle appears.
You can validate with **OK** at any moment; however, if the Stroke you set is too small, the following error screen appears.

Calibration error
Stroke Error, try again?
Try again

Validate **Try again** with **OK** and continue to open your valve.

Set open position
Use the actuator BUTTON to go to OPEN position (100%)
Stroke 21.7°
Save

When you reach the correct position, validate **Save** with **OK**.
The open position confirmation screen appears.

Set open position
Please, confirm the Valve is in OPEN position 100% to save this setting
<div>Cancel</div> <div>Confirm</div>

6. Validate **Confirm** with **OK**.
Closing and opening positions are set.

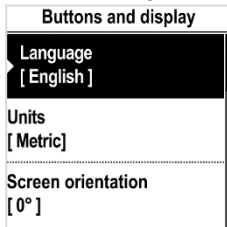
Once end positions are set, proceed to an operation in each direction to check the settings.

5.7 Set display orientation

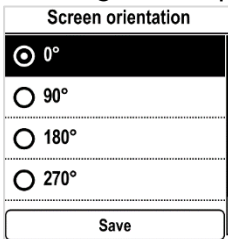
Your display orientation can be modified according to the physical orientation of your actuator.

How to change orientation of your display

1. Enter the menu, then go to **Settings > Buttons & Display**.
The following screen appears.



2. Select **Screen orientation** then validate with **OK**. The following screen appears.

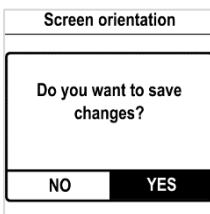


3. Select rotation angle matching your actuator orientation, and validate with **OK**, then go to **Save** and validate it.



Angle values are counter-clockwise.

The confirmation screen appears.



4. Select **YES** then validate with **OK**.
The display turns accordingly.

5.8 Set LEDs configuration

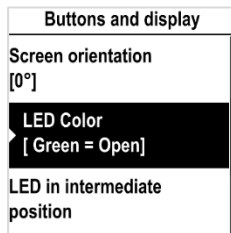
Your LEDs configuration can be adjusted according to the standard of your country.

How to set LEDs configuration

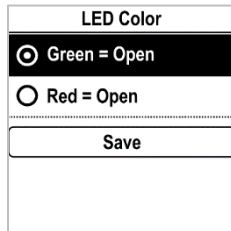
1. Enter the menu, then go to **Settings > Buttons & Display**.

The **Buttons & Display** screen appears.

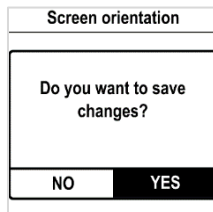
Go down in the menu to **LED color**.



2. Validate with **OK**. The LED color screen appears.



3. Select corresponding setting then validate with **OK**.
4. Go to **Save** and validate it. The confirmation screen appears.



5. Select **YES** and validate.

5.9 Set Relays configuration

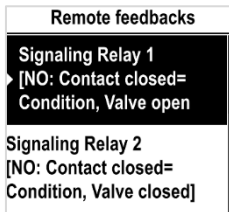
Available relays can be configured for specific functions.

How to set Relays



Following procedure runs through the procedure with the 3 default relays installed. Procedure is the same for optional relays.

1. Enter the menu then go to **Settings > Remote feedbacks**. The **Remote Feedbacks** screen appears.

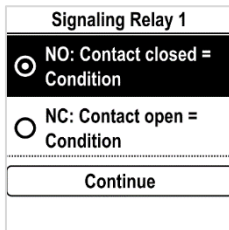


Remote feedbacks

Signaling Relay 1
 [NO: Contact closed=
 Condition, Valve open

Signaling Relay 2
 [NO: Contact closed=
 Condition, Valve closed]

2. To set a signaling relay, select it and validate with **OK**.
3. The **Signaling Relay** screen appears.
4. To set the condition, select **Contact closed** or **Contact open** option then validate with **OK**



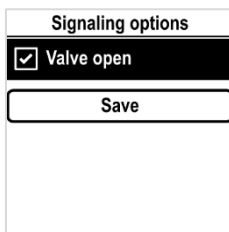
Signaling Relay 1

☒ NO: Contact closed =
 Condition

☐ NC: Contact open =
 Condition

Continue

5. Validate **Continue** with **OK**. **Signaling options** screen appears.



Signaling options

☒ Valve open

Save

6. Select an option in the list

For default relays, options are:

Relay 1	Relay 2	Relay 3
Valve open	Valve closed	Valve open Valve closed Torque limiter opening direction Torque limiter closing direction Actuator is opening Actuator is closing Actuator is running Intermediate position indication OFF mode Local mode Remote mode Stopped in intermediate position Motor thermal overload Jammed valve Phase loss Power on Handwheel action Relay operated by Fieldbus

7. You can select several option by navigating to the option then ticking it with **OK**.
8. Go to **Save** and validate it. The confirmation screen appears.

Screen orientation

Do you want to save changes?

NO
YES

9. Select **YES** and validate.

5.10 Setting Forced local mode in Remote mode

You need 2 steps to be able to use Forced local mode:

1. Allowing switch to Local mode with Local control
2. Switch to Local mode with App

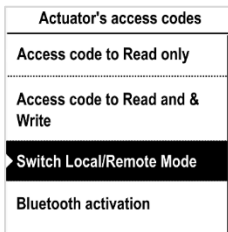
5.10.1 Allowing / Inhibit switch to Local control

How to allow or inhibit switch to Local control

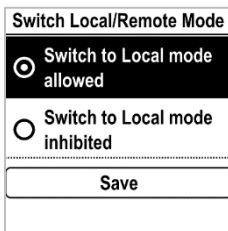
1. Enter the menu with **Access code to Read and Write**
2. Go to **Settings > Actuator's access codes >**

The **Actuator's access codes** screen appears.

Go down in the menu to **Switch Local/Remote Mode**.

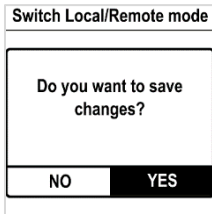


3. Validate with **OK**. The **Switch Local/Remote Mode** screen appears.



4. To allow switch to Local control, select **Switch to Local mode allowed** else select **Switch to Local mode inhibited**, then validate with **OK**.

5. Go to **Save** and validate it. The confirmation screen appears.



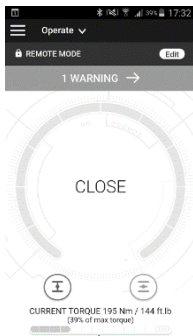
6. Select **YES** and validate.

5.10.2 Switching to Local control with App

You can only proceed to this operation if **Control selector** is on **Remote** on the actuator and actuator set on **Switch to local mode allowed**.

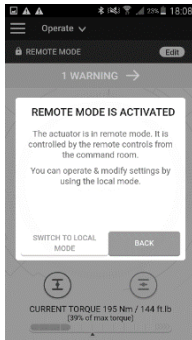
How to switch to Local control with App

1. Ensure you are on **Operate** screen.



If the switch is inhibited, an **Info** button replaces the **Edit** button.

2. Tap on **Edit**. The App asks for confirmation.



3. Tap on **Switch to Local Mode**.
Remote mode becomes **Local mode**.



You can now operate your actuator as if it is set on **Local mode**.



To get back to **Remote mode**, simply tap again on the **Edit** button.

6 OPERATION

6.1 Emergency handwheel operation

AT actuators feature a handwheel for emergency operation.

To avoid potentially harmful turning protruding parts during electrical operation, AT handwheels feature a foldable handle: you can fold it during electrical operation and unfold it if you need to operate the actuator manually.

6.2 Local control operation

To use:

- Local control mode with Control panel
➔ see §4.3
- Local control mode with Smartphone
➔ see §4.4
- Forced Local control mode from Remote mode, with Smartphone:
➔ see §5.10 - how to allow modes switch then switch modes, and §4.4 to use Local mode with Smartphone

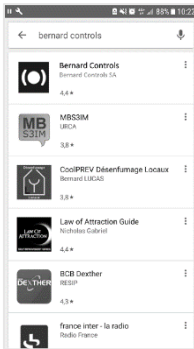
APPENDIX - Starting with BC App

Installing the application



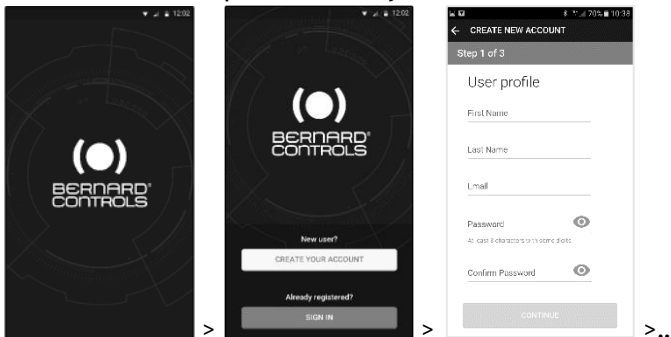
An Internet connection is required on your smartphone.

1. Go to your app store and search for “Bernard Controls”.



2. Once retrieved, download and install BC App.

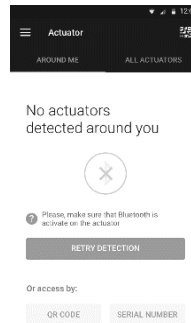
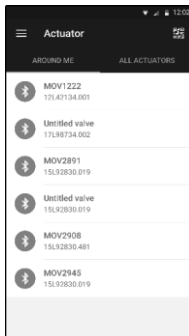
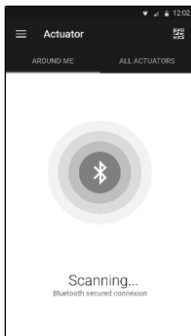
Once installed, start the App. Log in or follow free account creation screen sequence if it is your first start.



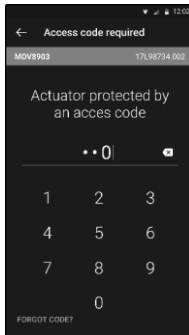
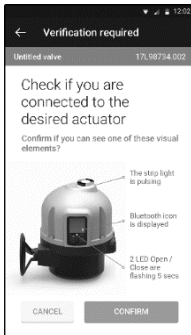
Connecting to your actuator

Once account is confirmed, your smartphone is ready to connect to your actuators. Connection to actuators is achieved with Bluetooth®.

1. Start the App and log in your account.
2. Once logged, App will start to scan for actuators nearby.
3. If the desired actuator is found, select it.
If not, retry or scan the actuator QR code on the sticker or enter its serial number.



4. Check that you are connected to the correct actuator (the 2 LEDs in front of the actuator should blink and the Bluetooth icon on the screen has between +), then enter Access code.



Alarm and Settings menu tree (options not detailed)

Level 1	Level 2	Level 3
Alarm & Warnings		
Settings	Valve tags	Valve tag Location and process
	Actuator commissioning	Set closing direction Closing & Opening Type Set torque limits Set closed position Set open position
	Remote commands	Auxiliary remote commands 1 Auxiliary remote commands 2 Remote stop
	Remote feedbacks	Signaling relay 1 Signaling relay 2 Signaling relay 3
	Analog input/output	
	Profibus	
	Modbus	
	Devicenet	
	Hart	
	Foundation fieldbus	
OPTIONAL	Buttons and display	Language Units Screen orientation LED Color LED in intermediate position Button mode
	Actuator's Passwords	Password to Read only Password to Read & Write Bluetooth Local/Remote security Bluetooth activation
	Factory data	Actuator type Mechanical features Motor features Electrical features Firmware

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