

Versions

48EN35S0004	No Clicks & Handle connection for Kitchen HC
48EN35S0005	No Clicks for Kitchen HC
48EN35S0003	2 Clicks & Handle connection for Basin HC
48EN35S0002	2 Clicks & Handle connection for Kitchen HC
48EN35S0010	2 Clicks for Kitchen HC
48EN35S0001	4 Clicks & Handle connection for Shower HC
48EN35S0009	4 Clicks for Shower HC

Technical Specifications

General

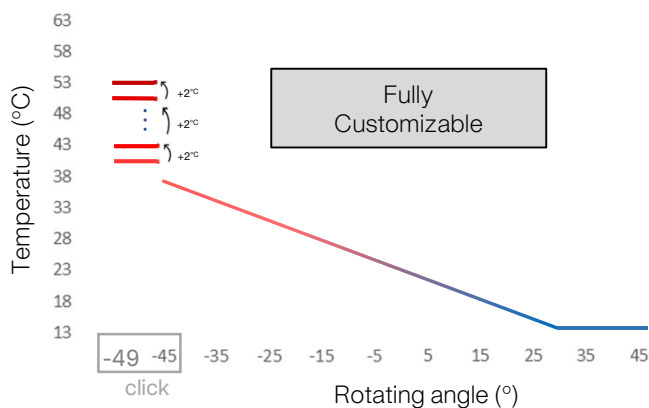
Technology	Patented
Power consumption	≤6 W (Stand-by ≤1W)
Rated voltage	5 - 12 V DC
Nut torque Brass, M27x1,25	9-10 Nm

Function

Operation torque	0,15-0,30 Nm
Click operation torque	0,30-0,40 Nm
Available clicks direction	Up/Down/Left/Right ⁽¹⁾
Communication cable with handle	Yes
Life cycle	EN-817 ASME A112.18.1

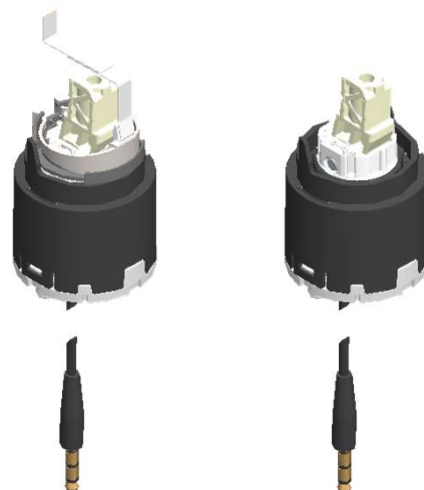
Sensitive curve

Rotating angle VS Temperature



⁽¹⁾ Available options under customer request.

Technical Data Sheet



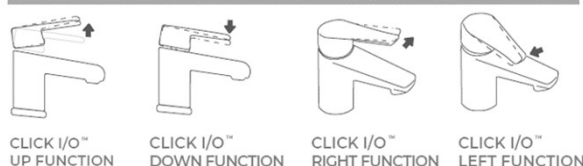
Description

Fully electronic cartridge that converts the handle motion of classic faucets into digital information to control an electronic water valve. The iTOP Digital Cartridge features X-lever™ technology that brings additional functions impossible to fulfill with standard mechanical cartridges. As no water flows through the iTOP Digital Cartridge, a smooth and comfortable operation is ensured for years.

Features

- Digital actuation of the faucet
- Haptic experience and feeling are the same as the ones from classical cartridges. No learning period is required.
- Customizable flow rate and temperature curves ⁽¹⁾
- Low energy version is available ⁽¹⁾, especially devised to work within battery-powered systems.
- The cartridge is calibrated during its fabrication. No further calibration is needed.
- Open protocol (Modbus RTU)
- Different functionals click available to customize, e.g.:
 - Click up ⁽¹⁾: Increase flow – Boost mode
 - Click down ⁽¹⁾: access to customized function – Toothbrush / Glass Fill
 - Double click down ⁽¹⁾: access to customized function – Pot fill
 - Click Right ⁽¹⁾: access to customized function – Outlet selection
 - Click left ⁽¹⁾: Increase temperature safety – Increase temp. 2°C

CLICK I/O™ TECHNOLOGY exclusive by Sedal



Certifications

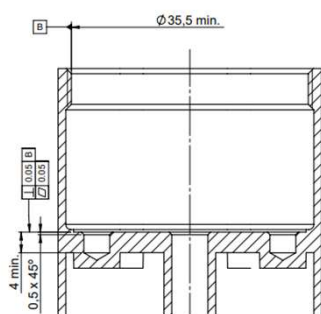
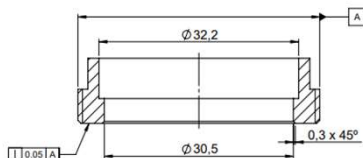
Electric Standards

EMC: EN 55014-1:2017 / EN55014-2:2015
RoHS: IEC 63000:2018

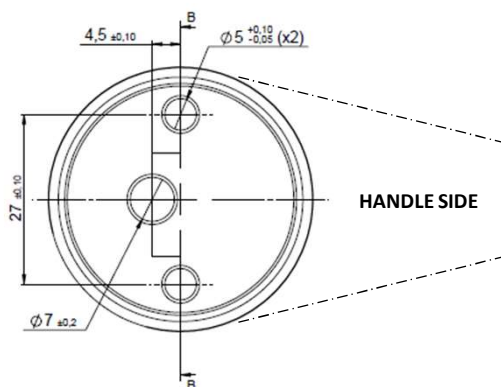
Mechanical Standards

EN-817
ASME A112.18.1

Machining Prescription



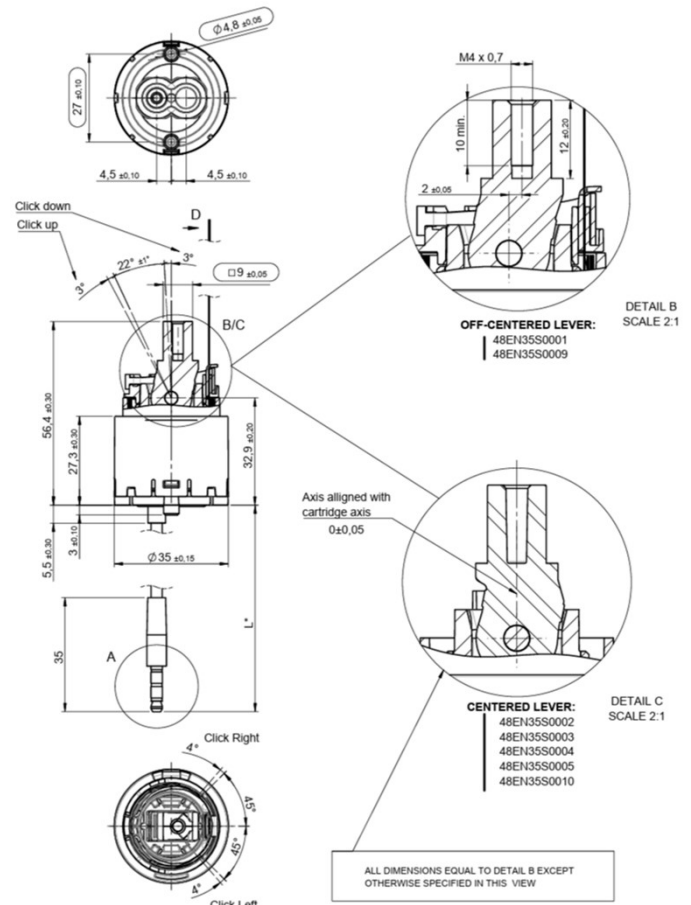
SECTION B-B



Connectivity

Wire connection (standard plug 3.5mm) to M1/T1 electronic water valve. Communication protocol: Modbus RTU with open memory map. Wire connection (standard FFC) to electronic HANDLE.

Technical Dimensions



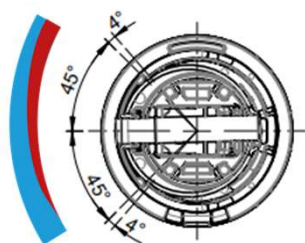
Jack3.5mm CONNECTOR CABLE LENGTH:

Dimension	48EN35S0002	1973+30	48EN35S0001
	48EN35S0003		
	48EN35S0004		
	48EN35S0005		
	48EN35S0010		
	48EN35S0009		
I *	1973+30	373+10	

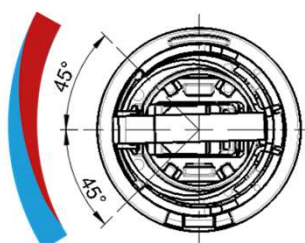
Version chart

PRODUCT CODE	CLICK UP/DOWN	CLICK LEFT/RIGHT	Wire connection to iSCU	Wire connection to iHANDLE	HOT Temp. safety	FUNTIONALITY
48EN35S0001	✓	✓	✓	✓	✓	4KH SHOWER HC
48EN35S0002	✓		✓	✓		2KH KITCHEN HC
48EN35S0003	✓		✓	✓		2KH BASIN HC
48EN35S0004			✓	✓		0KH KITCHEN HC
48EN35S0009	✓	✓	✓		✓	4K SHOWER HC
48EN35S0010	✓		✓			2K KITCHEN HC
48EN35S0005			✓			0K KITCHEN HC

Turning Angle



Ref. 48EN35S0001
Ref. 48EN35S0009



Ref. 48EN35S0002
Ref. 48EN35S0003
Ref. 48EN35S0004
Ref. 48EN35S0010
Ref. 48EN35S0005