# Control Box for all Cerlic X-type Sensors



■ **Easy to use**
- User friendly software
- Simple three-button panel
- Built-in heater for outdoor installations

■ **Multiple functions**
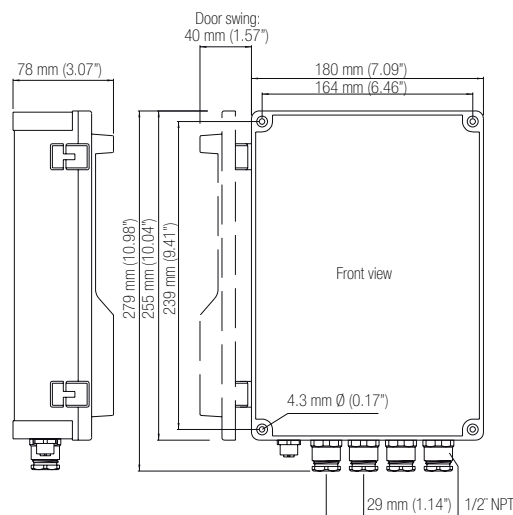- Supports up to four optional sensors from Cerlic X-series

■ **Plug & Play**
- Easy installation of new sensors from X-series and to make an upgrade at site

The **BB2** is a powerful control box that can support a combination of up to four different sensors, measuring dissolved oxygen, suspended solids, sludge level, pH, ORP, or fiber consistency simultaneously. Weighing less than 1.5 Kg (3 lbs), the BB2 is distinguished by a three button panel used to navigate the intuitive software. The plug & play capabilities of the BB2 ensure an easy installation. Calibration is performed in just a few simple steps. The unit is designed with cutting edge digital technology and software, making the BB2 easily upgradeable in the field and

ensuring that the customer has the latest software revisions. The control box comes standard with two 4 - 20 mA outputs. It also features an expansion slot for two extra analog outputs or a protocol card that enables the unit to utilize digital communication protocols as ProfiBud DP. The selfmaintenance features of the BB2 further enhance its value in the plant. A built-in heater protects the unit against cold weather conditions. Relay outputs in the BB2 are used for high and low alarms or to provide a pulse for automatic cleaning.

## Technical Specifications

| | | |
|---|---|---|
| Material | Polycarbonate | |
| Weight | 1.3 kg (2.8 lbs) | |
| Supply Voltage | **85 - 250 V AC** **12 - 30 V DC** | 50 - 60 Hz. |
| Power usage | **20 W AC / 30 W DC** | |
| Ambient temp | **-20 - +55°C (-4 - 131°F)** | Built-in heater. |
| Enclosure | IP 65 (NEMA 4X) | |
| Connected sensors | | Displayed on the screen at start-up. |
| Output signal Analog | | Two 4 - 20 mA, galv. isolated, 450 ohm. |
| Digital | | Profibus (option). |
| Alarm/cleaning | | Two relays, selectable function. |
| Connections | | 0.3 - 0.45" Ø compression fitting or 1/2" npt. |
| Options and accessories | | Mounting plate with sun shield for wall or handrail mounting. Module two extra analog outputs or digital communication. Connection box for two or four sensors. Solenoid valve for flushing. |



BB2

C50C1EN17