ekr500 Supremus
All-in-One, Bluetooth &
Industry 4.0 enabled Controller

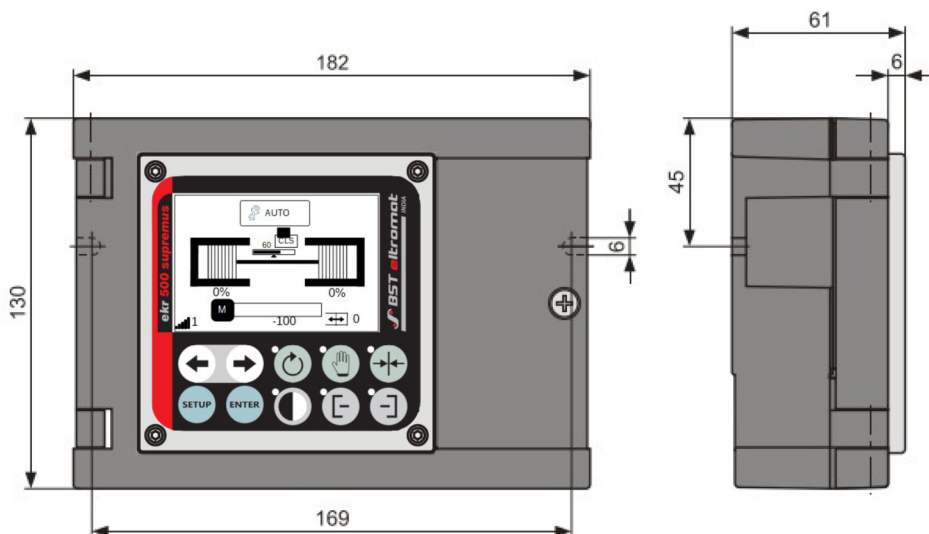**// Introducing the latest development in the automatic web guide control system:**

- Advanced new version of Graphical LCD
- High Current Actuator Motor Control upto 10 Amp
- Enabled with an industrial protocol like MODBUS TCP, using which any SCADA system can communicate, monitor and control ekr 500 Supremus
- Has Cloud Protocol Support to enable remote-access and over the air update
- Enabled Bluetooth support for users to control the web with Mobile App.
- Enabled with IIOT 4.0

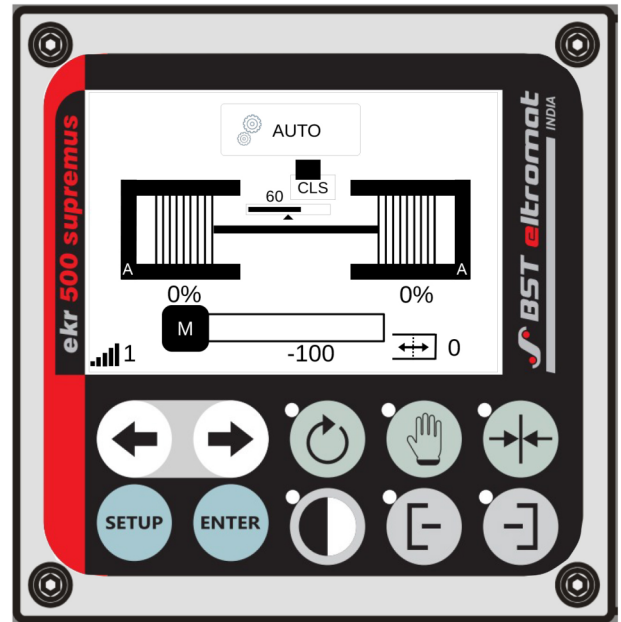Conceptualized, Programmed and Made in India

// Technical Specifications:

- Size in mm: 182 X 130 X 67 (W x H x L)
- Weight: 0.4 Kg
- Power Supply: 24 Vdc / 10A
- Cable length: 5 m std. (10 m optional)
- Operating conditions: Temp. 0° C to 50° C. / Max. Humidity 80%

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// ekr500 Supremus is a Bluetooth enabled controller:

- It can be wirelessly operated with a mobile device using an app from the Google store. Particularly helpful when the controller is installed at hard to reach areas, e.g. Blown-Film lines.
- It can be operated from a safe distance of 15-25 feets, improving the safety of the operator.
- All major functions of LCD keypad can be utilized on a mobile device via an app. The controller can be operated by a mobile device using bluetooth, even if the LCD keypad gets damaged.
- Firmware updates can also be done via Bluetooth (mobile device) using Wi-Fi.

// ekr500 Supremus is enabled with Industry 4.0 & IIOT to enhance web guiding applications:

- Serial communications protocols like Modbus TCP/RTU, easily help to connect the controller with the machine PLC. This enables monitoring and controlling of the system from a central location.
- Secure MQTT (Message Queuing Telemetry Transport) protocol enables the controller to be accessed remotely from any corner of the world which aids in service intervention like remote diagnosis, predictive maintenance of system, firmware update over the air and online monitoring.

// Your benefits at glance:

- Quick installation & commissioning (Plug & Play)
- Easy to replace
- Simple handling
- Remote control via digital inputs
- Color LCD with second keypad
- CAN technology to access Digital sensors
- Digital as well as analog sensor support
- Digital outputs
- Convenient connection to higher systems (PLC or PC) without gateways over Ethernet
- High current actuator support
- Different Feedback mechanism with over current protection of Motor Oscillation
- Over the air update & de-bugging

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