



KPD200 - Operator Panel

- › 4 line by 20 character back lit display
- › User programmable function keys
- › CANopen interface compatible with NextMove and MintDrive-II products
- › Serial (RS232/485) interface
- › Optional plug in I/O expansion: 4 digital inputs and 4 digital outputs. DS401 compatible for remote access over CANopen



Baldor's KPD200 operator panel offers a simple text display compatible with the NextMove and MintDrive-II product ranges. Communication interfaces include RS232/485 and CANopen. The operator panel operates as a simple message display and requires no programming tools. All programming is performed directly in Mint, Baldor's versatile Basic programming language.

The operator panel offers an ideal replacement to Baldor's previous generation of BaldorCAN operator panel (KPD002-501). With the same keyboard layout, minimal Mint code changes are required to support this new panel.

The operator panel supports an optional plug-in I/O module supporting 4 digital inputs and 4 digital outputs. These I/O can be operated over the CANopen bus as standard DS402 remote I/O and are ideally suited to additional push button interfaces and lamps.

The operator panel is compatible with the following Mint products*:

- › NextMove ESB-2
- › NextMove e100
- › NextMove ES
- › NextMove PCI-2
- › MintDrive-II, Flex+Drive-II
- › MotiFlex e100 with MintLite or Mint Motion Module
- › MicroFlex with MintLite

* The latest firmware may be required to support the panel. Visit www.baldormotion.com/supportme for more details.

Simple Programming

The operator panel requires no special programming software and can be programmed directly from the Baldor motion controller using the Mint programming language. The creation of text screens and menus is aided by the sample library code available within the Mint WorkBench programming environment.

```
Dim keyPress
```

```
Line 1, "Start      Stop";
Line 2, "Machine v1.0";
Line 4, "Config";
```

```
Repeat
```

```
    keyPress = Inkey
Until KeyPress <> 0
```

```
Select Case keyPress
```

```
    Case 'A'
        StartMachine
    Case 'C'
        StopMachine
    Case 'D'
        ConfigMachine
End Select
```

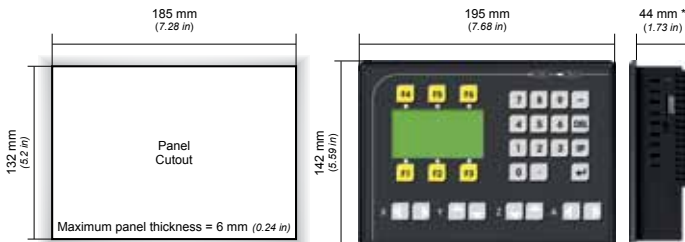
Technical Data

Display	4 line by 20 character back lit LCD. VT100 compatible via serial port
Keys	29 keys including 6 function keys
IP Rating	IP65 with gasket
Power	+24VDC, ##W
Communication Ports	CANopen (D-type and RJ45) with on board termination resistor RS232/485 serial port - user selectable USB 1.1 for firmware upgrades
Programming	Directly from controller via Mint keywords
Digital Inputs	Optional via plug in module: 4 optically isolated digital inputs PNP/NPN. Controlled over CANopen port as standard DS401 I/O
Digital Outputs	Optional via plug in module: 4 optically isolated digital outputs PNP. Controlled over CANopen port as standard DS401 I/O
Connectors	D-type for serial port and CANopen. Two part screw terminals for power
Indicators	LED indicator for communications
Dimensions	See below
Weight	0.497 Kg (17.5 oz.)
Operating Temperature	0°C to 50°C



Optional I/O option provides 4x DI and 4x DO which can be controlled over the CANopen bus from within Mint.

Product Dimensions



* If optional I/O module KPD-OPTIO-1 is fitted, allow for an overall depth of at least 100 mm to accommodate the module (35 mm) and external wiring.

Order Information

Catalog Number	Description
KPD202-501	Operator panel - CANopen and Serial Interface
KPD-OPTIO-1	Keypad I/O Option: 4x DI, 4x DO
CBLxxxCM-CSS2	CANopen Cable RJ45 both ends xxx = 0025 (0.25m), 005 (0.5m), 010 (1m), 020 (2m), 050 (5m), 100 (10m), 200 (20m)
OPT-CNV002	DB9 female to RJ45 - suitable for NextMove e100

Visit the Baldor website or contact your local Baldor representative for a full range of accessories.

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