Pop
Parker operator panels

Catalogue: 192-081011 N3 / GB
Version 3, July 2006

Pop12

Pop21

Pop22

Pop23

Pop31

Pop32
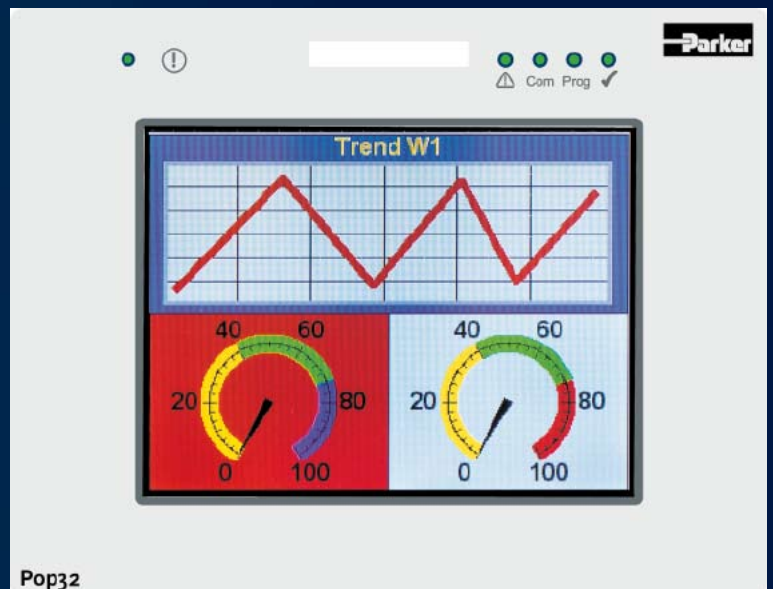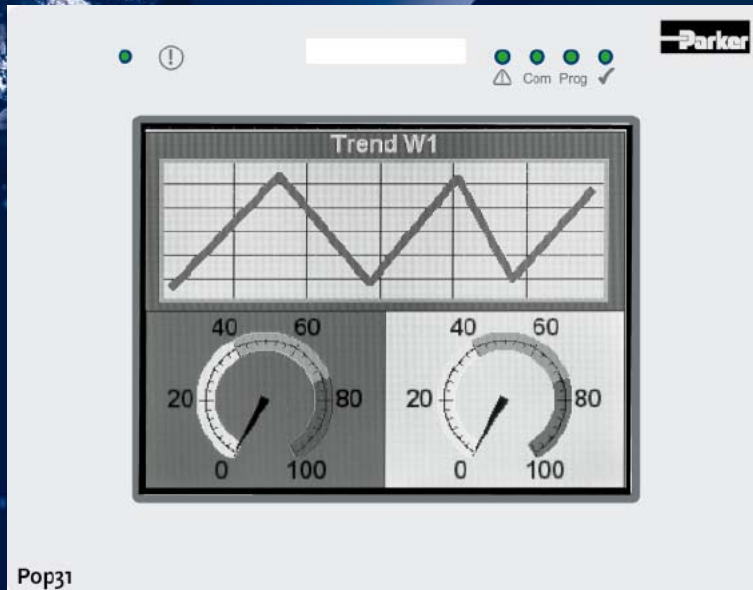
Automation Control and Monitoring

Parker Operator Panels

Parker supplies operator panels for all text and graphics applications in industrial environments. Features common to all versions include:

- Proven capability
- Extended functionality
- High reliability
- Ease of operation
- Excellent price-performance ratio
- Long life.

Text can be saved in multiple languages and used throughout the full range of Pop units.

The family of Pop operator panels extends from simple monochrome text and graphics panels (Pop12) to full-colour TFT touch screen displays (Pop32). Parker offers a wide choice of panels with a range of display sizes, numbers of function keys, LEDs, recipe memories, event lists and alarm lists. This means that panels are available to meet a wide variety of requirements. In addition to the standard RS232 and RS485 interfaces, the following optional field bus modules are available:
- Profibus DP
- CANopen
- DeviceNET
- Interbus S

Operator panels from the Pop series are all backlit, making them ideal for use in situations with poor lighting.

Versions are available with an IP65 protection rating to extend the range of industrial applications in which Pop panels may be used.

Along with Pop operating terminals, Parker also provides a software package called 'Pop Designer'. This software can be used with all panels whether for text and graphics displays or touch panels. Working with more than one type of operating terminal is made considerably easier due to compatibility throughout the range.

## Parker Operator Panels are Easily Programmable

Pop-Designer software for Windows

Integrated applications programming for Pop panels and Compax3 servo controllers is made possible with the GMS Global Machine Shop and Pop Designer

Interfaces to the World of Automation

Pop panels are especially well suited for communicating with Parker automation equipment, particularly the Compax3 intelligent servo controller. The Global Machine Shop common programming environment makes simple, universal programming of Pop and Compax3 possible.

Pop panels also operate in conjunction with programmable logic controllers (PLCs) from various manufacturers.
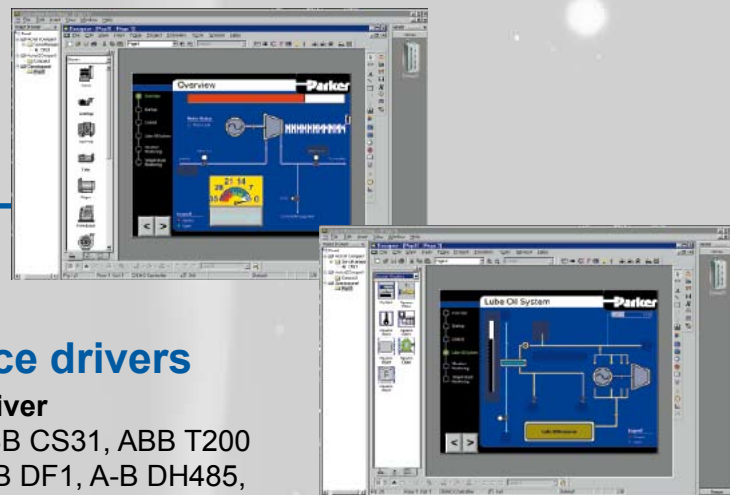
Available device drivers

Manufacturer	Driver
ABB:	ABB CS31, ABB T200
Allen Bradley:	A-B DF1, A-B DH485,
	A-B Device Net, Device Net
Mitsubishi:	Mitsubishi FX, Mitsubishi A
Omron:	Omron C-Series
Siemens:	S7 PPI, S7 MPI, DP S7 Profibus DP
Télémécanique:	Unitelway, Telem TSX
Field busses:	Profibus DP, CANopen, DeviceNET, Interbus S
Parker EMD:	Compax, Compax3

Drivers for additional PLC products can be incorporated on request.

Text and graphics-oriented Operating Systems

Pop12
- 4 function keys with insertable labels
- 5 user LEDs
- Multilingual projects possible
- Connection to various bus systems
- RS-232, RS-422, RS-485, CL 20 mA
- 512 kB user program
- Dimensions in mm (wxhxd): 149x109x60
- Front plate depth: 5mm
- Monochrome **graphics display**
- 4 lines of 20 characters for text
- Downloadable font
- Scalable text

Operator panels with Graphics Displays
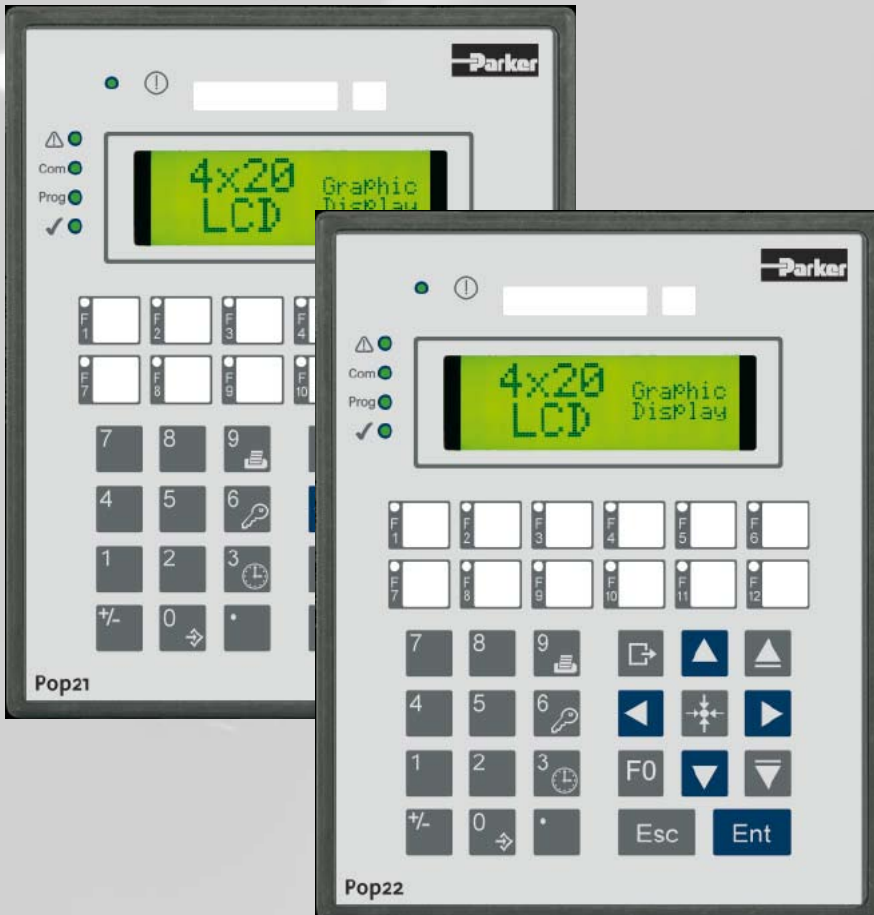
Pop21 / Pop22
- Monochrome graphics display
- 4 lines of 20 characters for text
- Downloadable font
- Scalable text
- 12 function keys with insertable labels
- 13 user LEDs
- Multilingual projects possible
- Connection to various bus systems
- Numeric keypad
- RS-232, RS-422, RS-485, CL 20 mA
- 512 kB user program
- 512 kB expanded memory
- Dimensions in mm (wxhxd): 141x176x75
- Front plate depth: 5mm

Pop22
- 32 kB recipe memory
- Event list for alarms
- Real time clock, battery-backed

Pop23

Pop23

- Monochrome graphics display
- 8 lines of 40 characters for text
- Downloadable font
- Scalable text
- 23 function keys with insertable labels
- 24 user LEDs
- Multilingual projects possible
- Connection to various bus systems
- RS-232, RS-422, RS-485, CL 20 mA
- 512 kB user program
- 512 kB expanded memory
- Printer interface
- 16 kB recipe memory
- Event list for alarms
- Real time clock, battery-backed
- Dimensions in mm (wxhxd): 220x176x80
- Front plate depth: 5mm

Full Graphics with Touch Screen
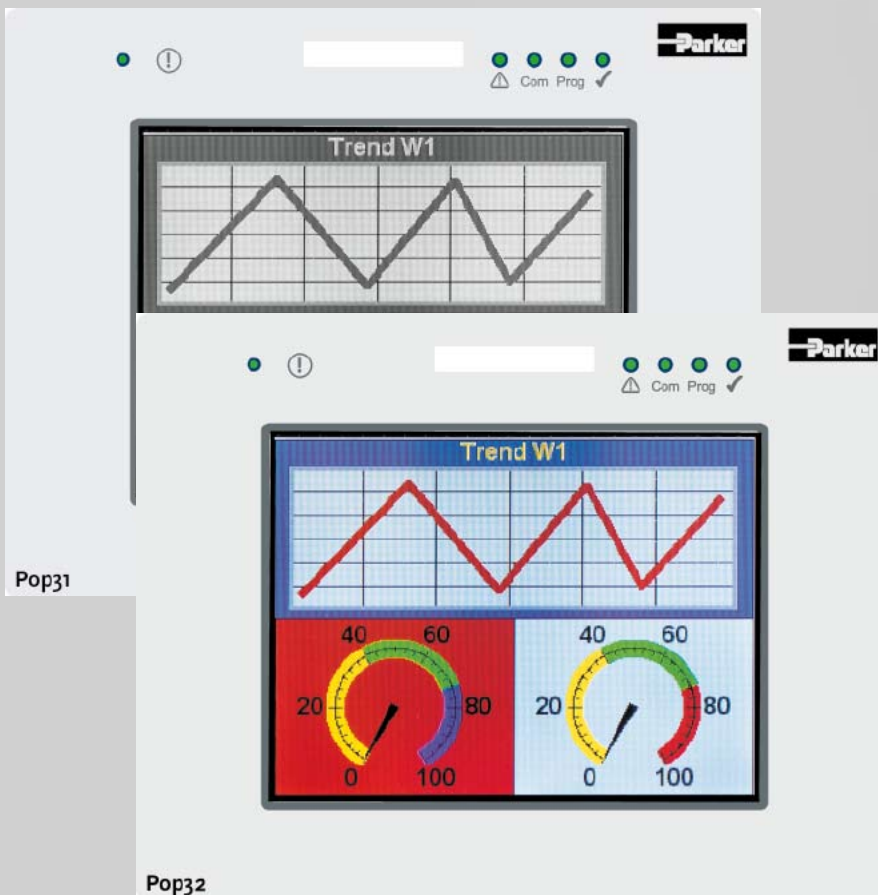
Pop31

Pop32

Pop31 / Pop32

- 1/4 VGA display (320 x 240 Pixels), 5.6" diagonal
- 16 lines of 40 characters for text
- Resistive touch screen
- Can be connected to various bus systems
- Multilingual projects possible
- RS-232, RS-422, RS-485, CL 20 mA
- Printer interface
- 32 kB recipe memory
- Real time clock, battery-backed
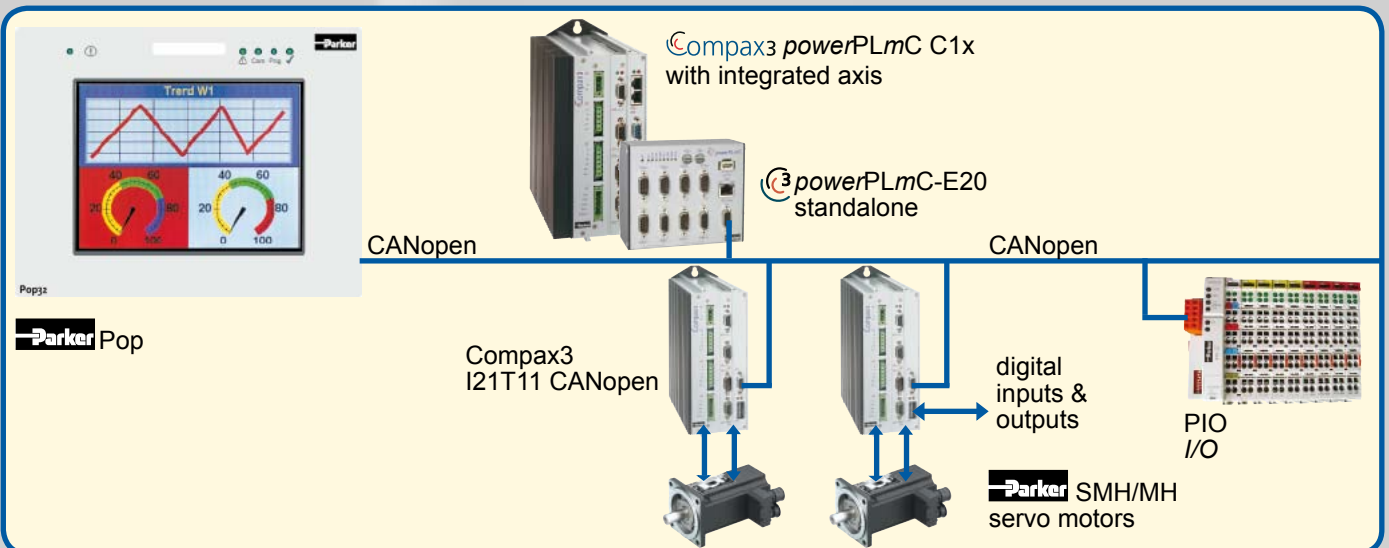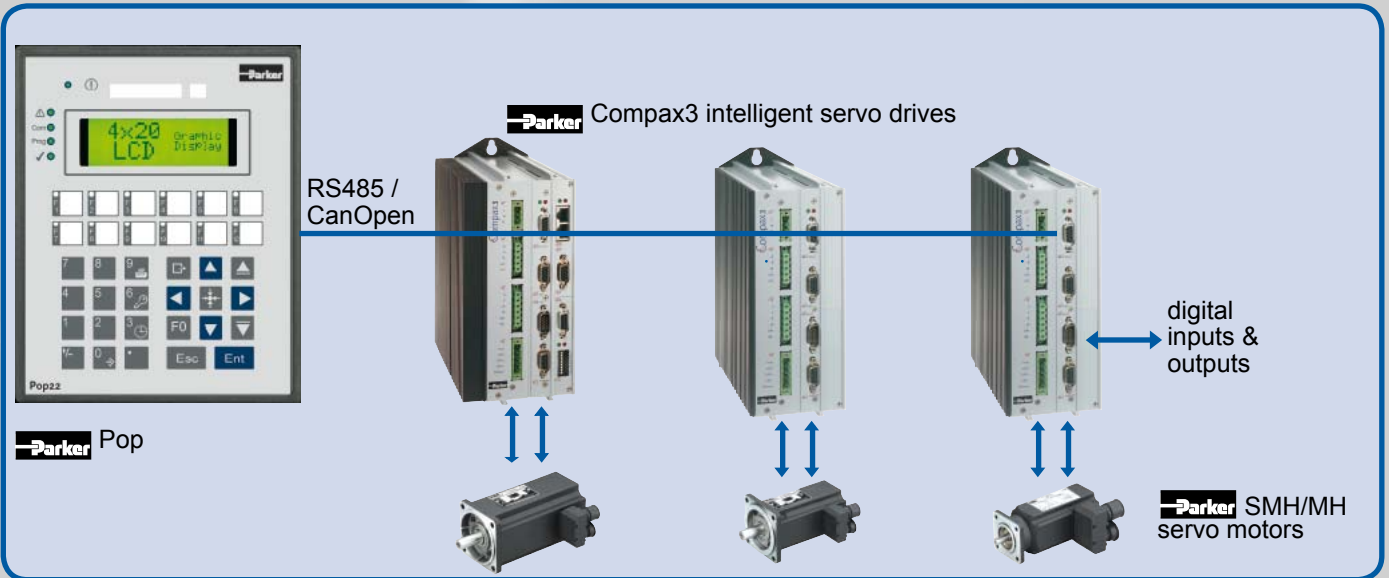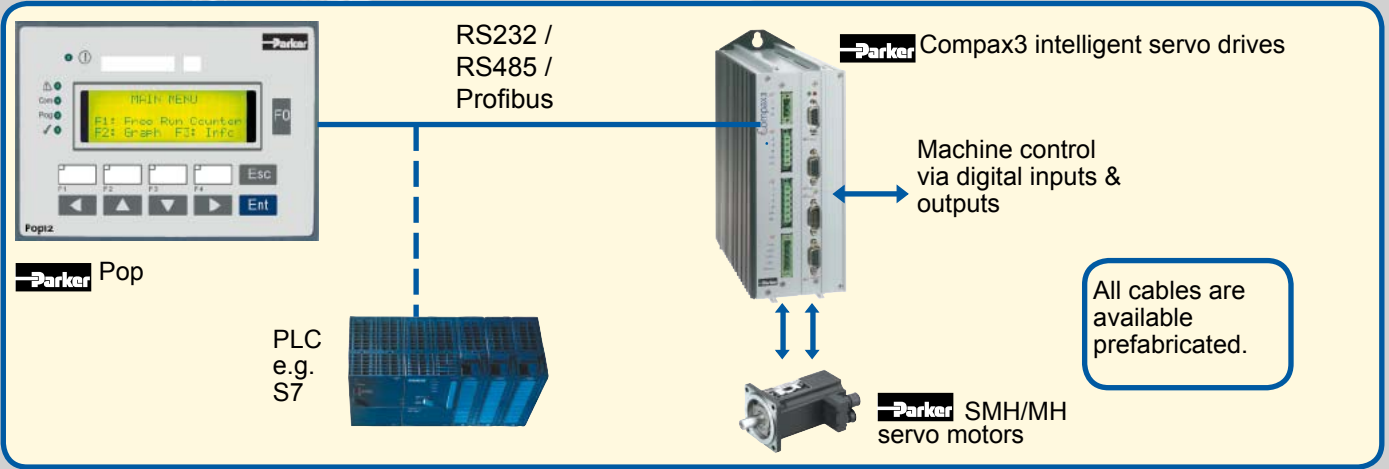- Event list for alarms
- Screensaver

Pop31

- Monochrome LCD display
- 8 MB flash memory on card
- Dimensions in mm (wxhxd): 187x147x79
- Front plate depth: 4mm

Pop32

- STN color LCD display
- 8 MB flash memory on card
- Dimensions in mm (wxhxd): 187x147x90,4
- Front plate depth: 4mm

Parker Operator Panels offer flexible integration
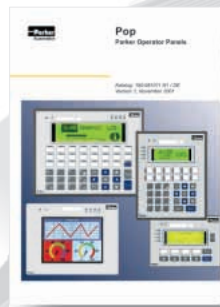
Application examples with COMPAX and Compax3

RS232 /
RS485 /
Profibus

Parker Compax3 intelligent servo drives

Machine control
via digital inputs &
outputs

All cables are
available
prefabricated.

Parker Pop

PLC
e.g.
S7

Parker SMH/MH
servo motors

Parker Compax3 intelligent servo drives

RS485 /
CanOpen

digital
inputs &
outputs

Parker Pop

Parker SMH/MH
servo motors

Compax3 *power*PL*m*C C1x
with integrated axis

*power*PL*m*C-E20
standalone

CANopen

CANopen

Parker Pop

Compax3
I21T11 CANopen

digital
inputs &
outputs

PIO
I/O

Parker SMH/MH
servo motors

Parker

- Your partner for automation

Our product program:

Visualisation

Distributed Automation

Control Technology

Drive Technology
Servo Drives / Stepper Drives

Motors / Gears

Direct Drive Technology
Linear motors / Torque motors

Handling Actuators
Cylinders / Actuators

Precision Actuators
Screw Driven / Linear Motor Driven

Parker
Electromechanical Automation

We reserve the right to make technical changes.
The information contained in this manual corresponds to the current status at the time of printing.

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