

PD 680 Operator Interface

FEATURES

- Completely Sealed Construction
- Membrane click-switch Keyboard with 28 keys sealed to IP65
- Backlit Graphics LCD Display
- User Definable Overlay
- Two keyboard mounted LED indicators
- Acoustic alarm indicator
- P-NET fieldbus communication via RS485 and Light-Link fibre optics
- Low power consumption



APPLICATION

The PD 680 is a standard P-NET slave module, which is designed as a general purpose operator input and display module. Other P-NET devices, such as Controllers, Distributed Process Intelligence modules, and PCs may write to the display and read the inputs from the keyboard of the PD 680. The Operator Interface is completely sealed, and is therefore suitable for use in any industrial environment. The compact design and the outstanding environmental specifications for the Operator Interface, makes it exceptionally suitable for machines and mobile applications.

SYSTEM DESCRIPTION

Display

The display is a fast graphics LCD, using Supertwist technology, providing wide viewing angle. The display has 2 lines with 20 characters each. The viewing area is 120mm * 19.2mm. A LED backlight is incorporated. The display is covered by non-reflecting glass.

Keyboard

The keyboard is a membrane click-switch foil, with metal domes. The keyboard has 28 available keys. The key functions depend upon the type of application, and may be defined by the user program. The unique design includes a self adhesive keyboard foil, which provides the ability to customise the unit, and ensures an ideal operator/instrumentation interface.

Visual and acoustic indicators

The PD 680 has two keyboard mounted LED's and a built in beeper, which can be used to indicate events requiring the operator's intervention. The LED's and the beeper can be controlled via the P-NET interface.

Communication Interfaces

The PD 680 Operator Interface has one P-NET communication channel for RS485 P-NET/Light-Link fibre optics interface. The RS485/Light-Link communication channel communicates via the RS485 P-NET interface and the Light-Link interface simultaneously. This means that the same signal will be present on both ports.

Digital Input

The PD 680 is provided with one digital input for connection to a physical input signal.

Mechanical construction

The Operator Interface is manufactured in a black injection moulded plastic enclosure

Specifications

Power Supply:

24 V DC \pm 20%

Power: 1.5 W

Operational Ambient Temperature:

-25 to + 70 °C

Storage Temperature:

-40 to +85 °C

Sealing:

IP65 @ front panel mounting

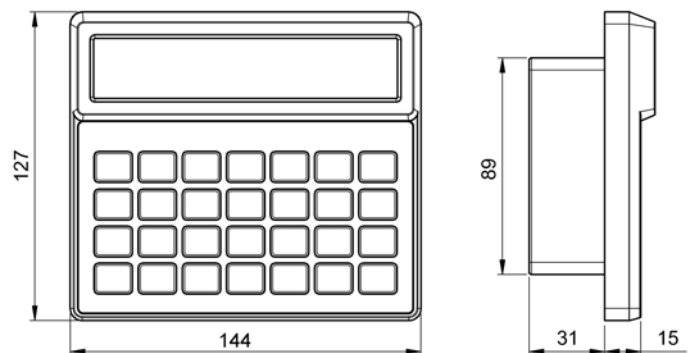
Housing:

Black NORYL GFN.

Digital Input:

Switch Input: Nominal 24V DC

Scale Drawing (in mm)

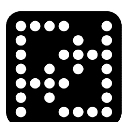


Approval in compliance with **EMC Directive No. 89/336/EEC**. Test limits are determined by the generic standard EN 61326.

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