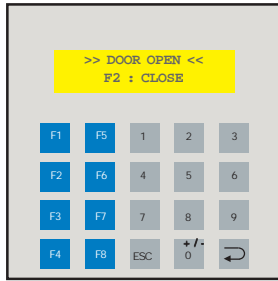
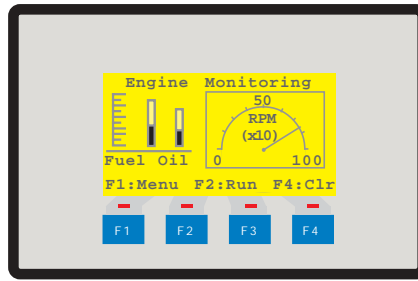


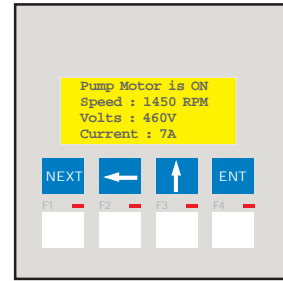
# Prizm Series - Text and Graphical Operator Panels



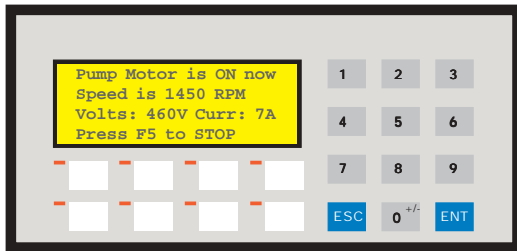
Prizm-15



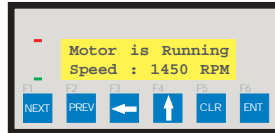
Prizm-120



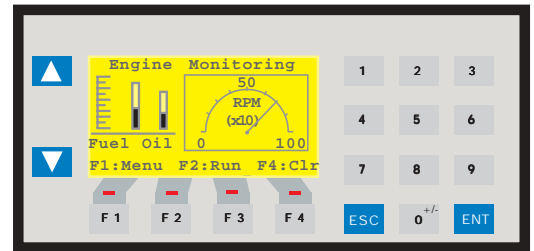
Prizm-20



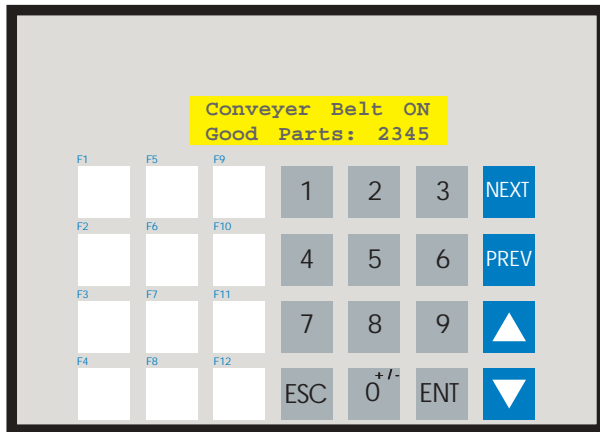
Prizm-50



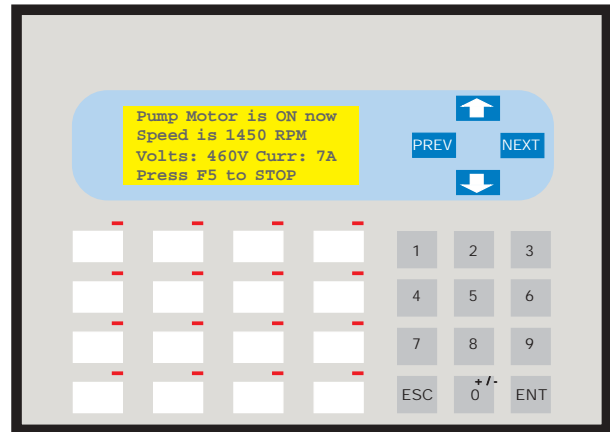
Prizm-10



Prizm-140



Prizm-40



Prizm-80

- ☑ CE , UL , CSA , IP65 from an ISO9001 company .....yet very affordable!
- ☑ Keys define macros for key actions. Allow local or global key definitions
- ☑ Multiple Data Entry objects per screen with limits and math operations
- ☑ Serial Port for printing screens and alarms
- ☑ Connected to multiple PLC's from one Operator Panel
- ☑ Supports floating point data format
- ☑ Recipe support: Saves Recipe data in the panel memory
- ☑ Optional Real Time Clock
- ☑ Drivers available for several PLC's including the most popular one's
- ☑ Common Programming software for the entire PRIZM family.....FREE!!



● Better Business Through Little Attachments ●

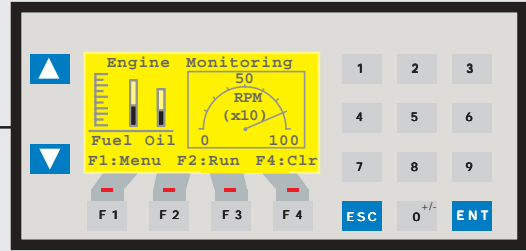


**RWTUV**

# Possible Applications

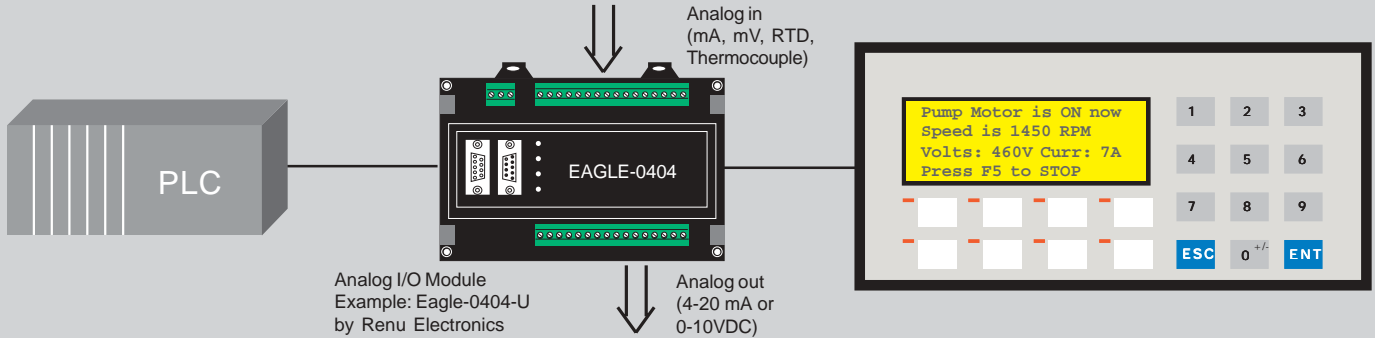
Our users have used the Prizm units in various different applications across many industries. The typical configurations include the followings:

## 1. Prizm Operator Panel connected to PLC



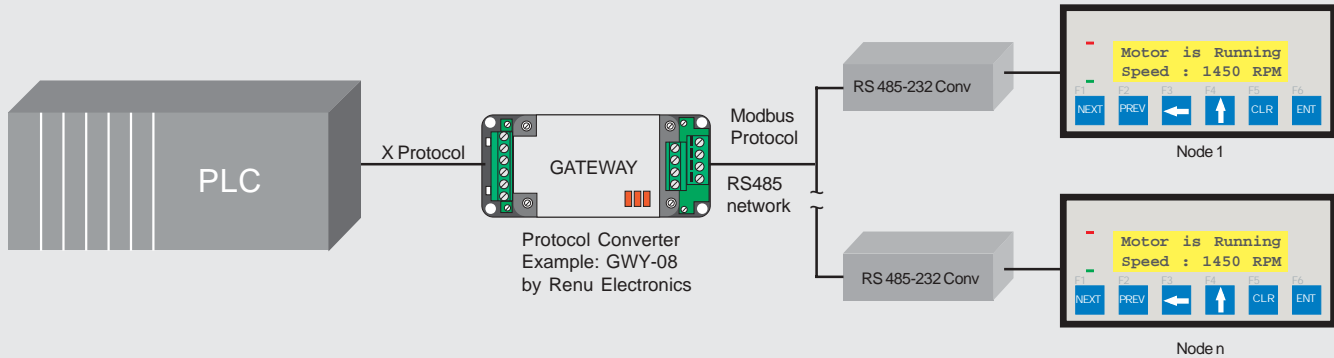
Prizm Operator Panel  
Example: PZM-140-1-M64-Y-V00  
by Renu Electronics

## 2. Prizm Operator Panel with Analog I/O Module connected to PLC



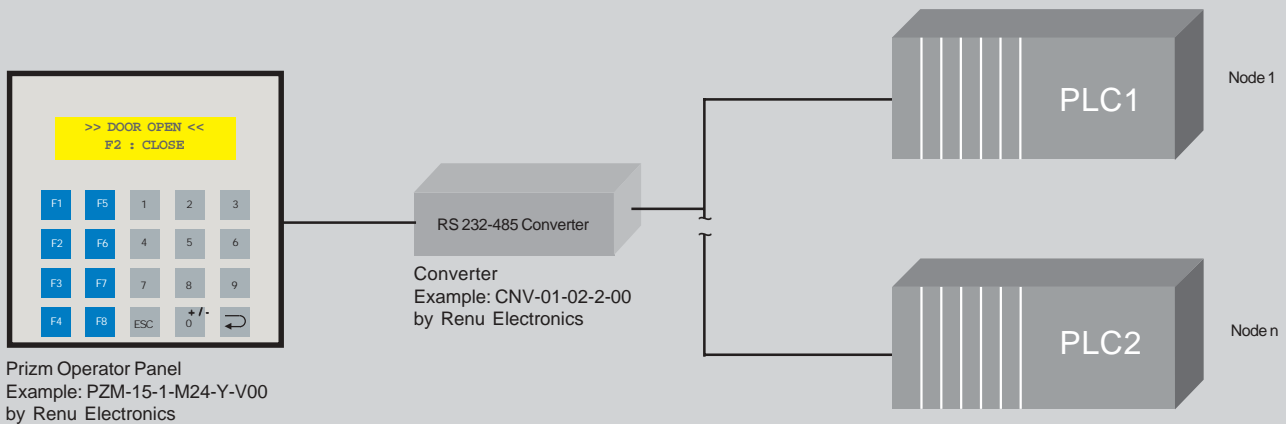
Analog I/O Module  
Example: Eagle-0404-U  
by Renu Electronics

## 3. Multiple Prizm Operator Panels (Modbus Slaves) connected to one PLC



Protocol Converter  
Example: GWY-08  
by Renu Electronics

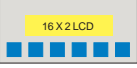
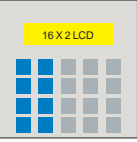
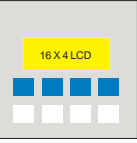
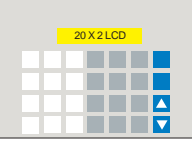
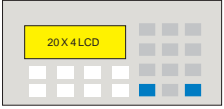
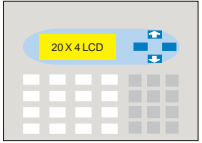
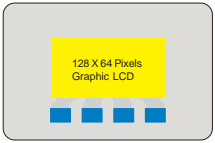
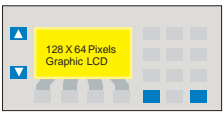
## 4. Multiple PLC's connected to one Prizm Operator Panel\*



Prizm Operator Panel  
Example: PZM-15-1-M24-Y-V00  
by Renu Electronics

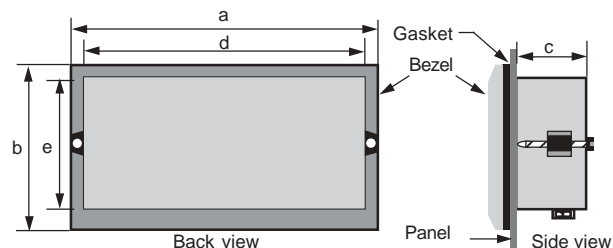
\*Call factory for availability with your PLC.

# Comparison between various Prizm Operator Panels

Unit	Model	Display	Keys	LED's	Numeric Keys	Data Logging	Memory	Dimensions in mm (See drawing below) (a) x (b) x (c)      (d) x (e)	
								(a) x (b) x (c)	(d) x (e)
	Prizm 10	16 X 2 (Text)	6	2	No	No	24 K	108x61x27	92x45
	Prizm 15	16 X 2 (Text)	20	0	Yes	No		107x107x26	92x92
	Prizm 20	16 X 4 (Text)	8	4	No	No		107x107x26	92x92
	Prizm 40	20 X 2 (Text)	28	0	Yes	No		205x149x50	152x119
	Prizm 50	20 X 4 (Text)	20	8	Yes	Optional		183x101x37	162x79
	Prizm 80	20 X 4 (Text)	32	16	Yes	No		205x149x50	152x119
	Prizm 120	128 X 64 (Graphic)	4	4	No	Optional	64 K	136x91x29	127x81
	Prizm 140	128 X 64 (Graphic)	18	4	Yes	Optional		183x101x37	162x79

- All keys can also be used as function keys.
- Datalogging requires factory installed extra memory which is an ordering option.
- All text units are also available in low cost IOP version where the power is taken from the PLC.
- For technical specifications, refer to the datasheets or visit our website: [www.renuelectronics.com](http://www.renuelectronics.com)

## Dimensions:



## ● Specifications

Power	:	24V DC $\pm$ 10%, 3W maximum
Bezel	:	IP 65 rated membrane keypad
Operating Temperature	:	0° to 50°C
Storage Temperature	:	-20° to 90°C
Humidity	:	10% to 90% (Non condensing)
Communication	:	Two RS232 ports, one for connecting to the PLC and one for programming / serial printing.
Immunity to ESD	:	Level 3 as per IEC1000-4-2
Immunity to Transients	:	Level 3 as per IEC1000-4-4
Radiated Susceptibility	:	Level 3 as per IEC1000-4-3
Emissions	:	EN55011 CISPR A

### PLC's Supported

Most major brand PLC's are supported including AB Micrologix and SLC 500 (DF1 and DH485), ABB-AC-31, Aromat FPx, Alspa, Cegelec, Crouzet, Delta DVP Series, Entertron, Fuji Flex, GE Series 90-30 (SNP), GE VersaMax Honeywell, IDEC Micro<sup>3</sup> / Microsmart, Keyence, Koyo (Directnet N and K sequence), LG-Master K Series, Messung XMP8 and NexGen 4000, Mitsubishi FX, Modbus Master and Modbus Slave, Omron (Host Link), Samsung SPC-10 and NA-70, Selectron, Siemens S5 and S7-200 series, Telemecanique TSX07/17/37/47/57/67, Toshiba EX and T series, Toshiba S9 Inverter etc.

Refer to the list of cables available. Smart cables are also available for DeviceNet.

New Drivers are added constantly. Call factory for more details.

### How to Order? (Refer to the datasheets or visit our website for detailed information)

Example

PZM-15-Y

#### Model:

Prizm 15 unit with 16 X 2 back lit LCD display, 8 function keys, Printer port and Real Time Clock. Power 24V DC external.

## ● Our Organization

Renu Electronics Pvt. Ltd. is a fast growing company providing quality products for the factory floor automation industry.

We design and manufacture PLC Peripherals such as Operator Interfaces (Text as well as Graphic Displays with membrane keypad and / or Touch-screens), Industrial I/O's ( Analog and Digital), Protocol Converters and Flow Instruments. We support many different communication protocols including the industry standard Fieldbus Systems.

Currently we employ about 65 skilled and well qualified people. We are an ISO9001 company certified by TÜV. All our products comply with the stringent CE mark requirements. Most of our products are UL listed (Class 1, Div 2, Groups ABCD) and CSA certified.

A large percentage of our revenue comes from customized products and we welcome an inquiry for a custom product.