



# VTM 804



## Operator Panel

- LCD display with high contrast 80 characters and backlight led
- Two serial interfaces configurable RS232 , RS485 , RS422
- Standard communication protocols (Omron , Siemens S7 200 , Modbus , Keyence etc..)
- Customizable function buttons

ELECTRIC CHARACTERISTICS	
<b>Power supply voltage</b>	<b>Min 12Vcc ; Max 26 Vcc Min 10 Vac ; Max 20 Vac</b>
<b>Current Consumption</b>	<b>Under 2mA</b>
<b>Microprocessor</b>	<b>Hitachi H83337</b>
<b>Pages Memory</b>	<b>512 KB</b>
<b>External E<sup>2</sup>PROM</b>	<b>512 Byte</b>

**ELECTRIC CHARACTERISTICS**

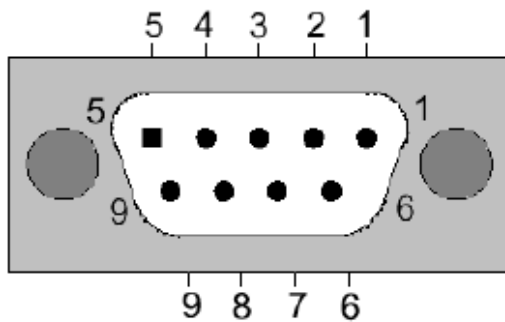
**Serial Lines**

Two serial lines(COM 0 and COM1)

**COM 0** : It could be used in RS232 , RS485 or RS422 with many different standard communication protocols for connect other devices .

**COM 1** : It could be used in RS232 , RS422 or RS485 like COM 0 besides , if it's connected to PC in RS232 mode , it's used for transfer the pages .

**COM 1**

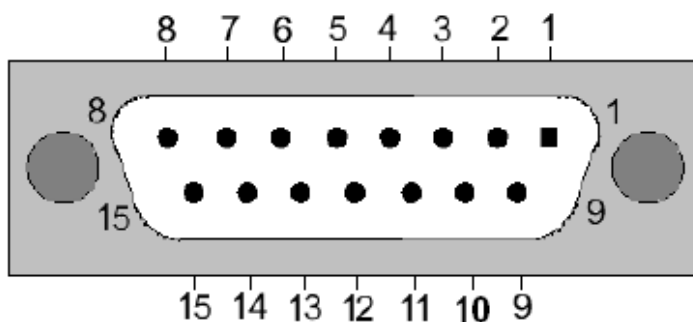


RS232	RS485	RS422
2 RX	1 TRX+	1 RX+
3 TX	6 TRX-	6 RX-
5 GND		4 TX+
		9 TX-

**Jumper**

<input type="checkbox"/>	RS485
<input type="checkbox"/>	RS422
<input type="checkbox"/>	RS232

**COM 0**



RS232	RS485	RS422
1 : GND	7 : TRX+	6 : RX+
2 : RX	15 : TRX-	14 : RX-
3 : TX		7 : TX+
		15 : TX-

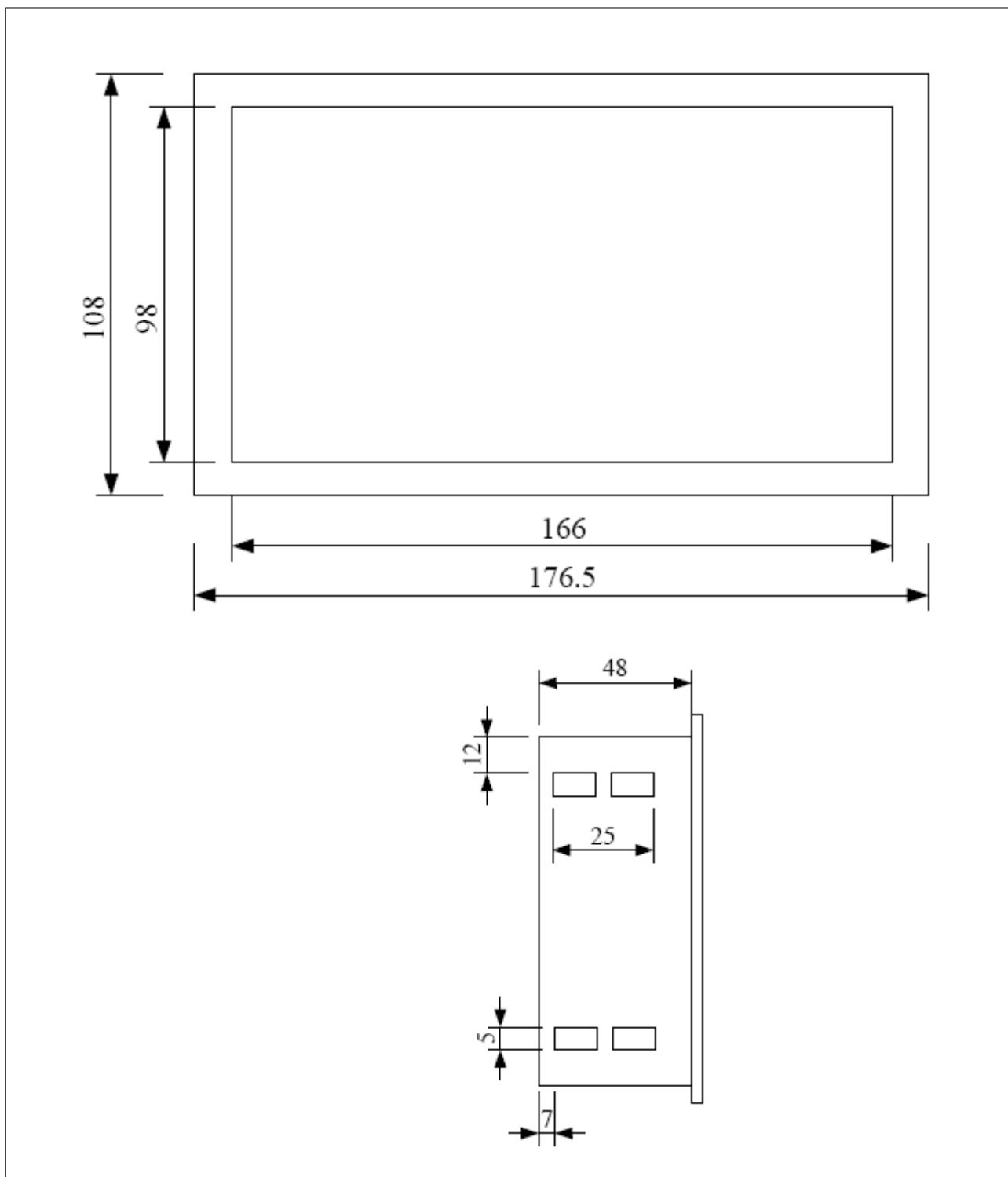
**Jumper**

<input type="checkbox"/>	RS485
<input type="checkbox"/>	RS422
<input type="checkbox"/>	RS232

**MECHANICS CHARACTERISTICS**

<b>Humidity Range</b>	from 10 to 90% (non-condensing)
<b>Temperature Range</b>	from -10 °C to +70 °C
<b>Operating Atmosphere</b>	Without corrosive gas

<b>MECHANICS CHARACTERISTICS</b>	
<b>Noise Immunity</b>	<b>According to rules in force</b>
<b>Fixing System</b>	<b>Fixing bracket</b>
<b>Weight</b>	<b>660 g</b>
<b>Keyboard</b>	<b>Membrane keyboard on anodized aluminium font part with 12 function buttons (from F 1 to F 12) and 7 edicated buttons</b>
<b>Display</b>	<b>Alphanumeric display 20 characters on 4 rows with led's backlight . 12 leds on function buttons and one alarm led . On demand available also cyrilic display .</b>
<b>Size</b>	<b>Front view 176x108 mm , Depth 48 mm</b>





SOFTWARE CHARACTERISTICS	
Firmware and Programming Software	Flash / WinPager / Free*
<b>Developed Functions</b>	<ul style="list-style-type: none"> <li>• <b>Automatic 6 languages management</b></li> <li>• <b>Pages and Link management</b></li> <li>• <b>Variable management</b></li> <li>• <b>Alarms automatic management</b></li> </ul>
<b>Standard Communication Protocols</b>	<ul style="list-style-type: none"> <li>• <b>Omron</b></li> <li>• <b>Modbus RTU</b></li> <li>• <b>Siemens S7 200</b></li> <li>• <b>Keyence</b></li> <li>• <b>Mitsubishi</b></li> <li>• <b>Kernel</b></li> <li>• <b>Taian</b></li> <li>• <b>Hitachi</b></li> <li>• <b>Matsushita</b></li> <li>• <b>Shinko</b></li> <li>• <b>SLC 500</b></li> </ul>

\* The Free firmware allow to show on the operator panel display , everything that come on the serial port , so isn't necessary create pages with a programming software .