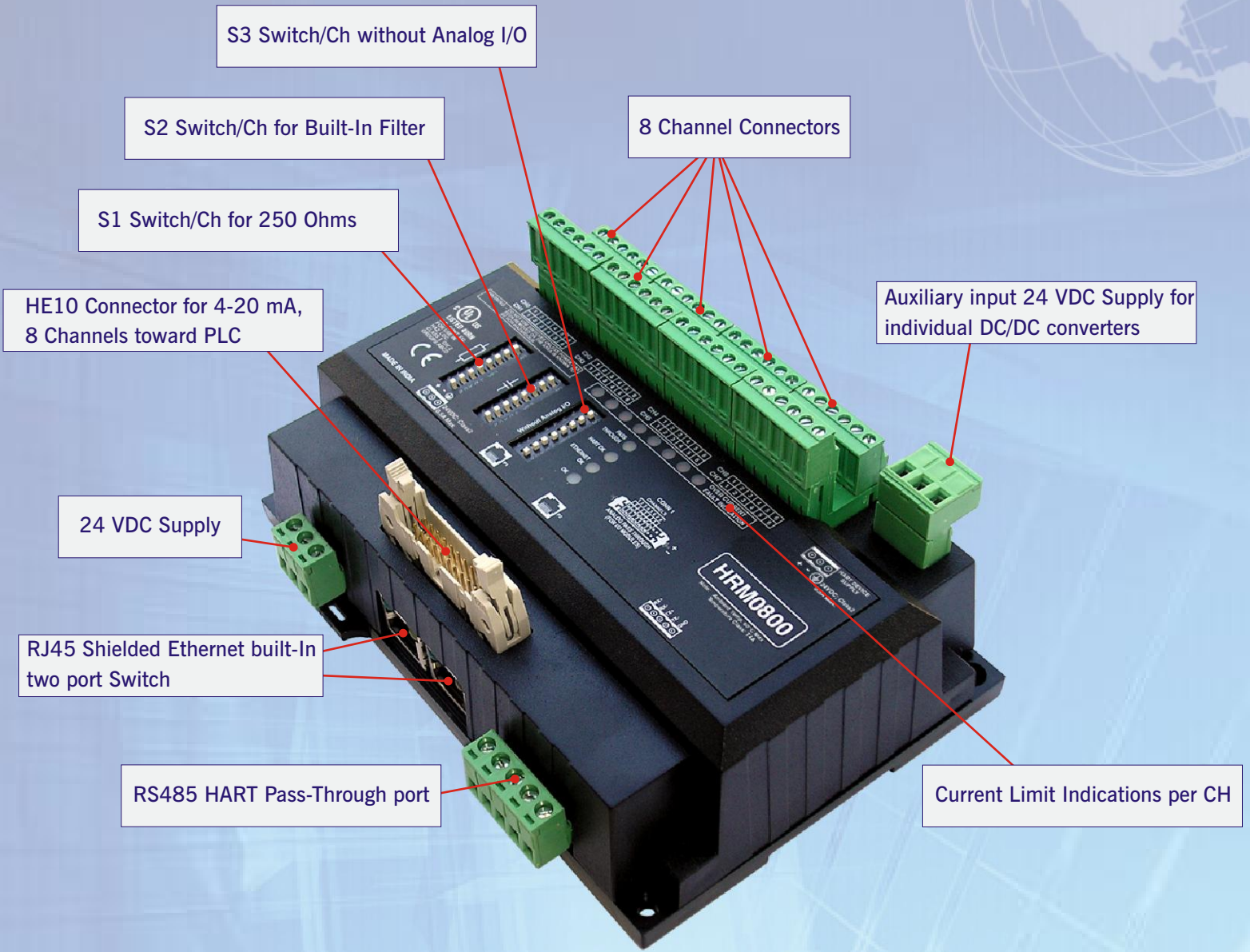


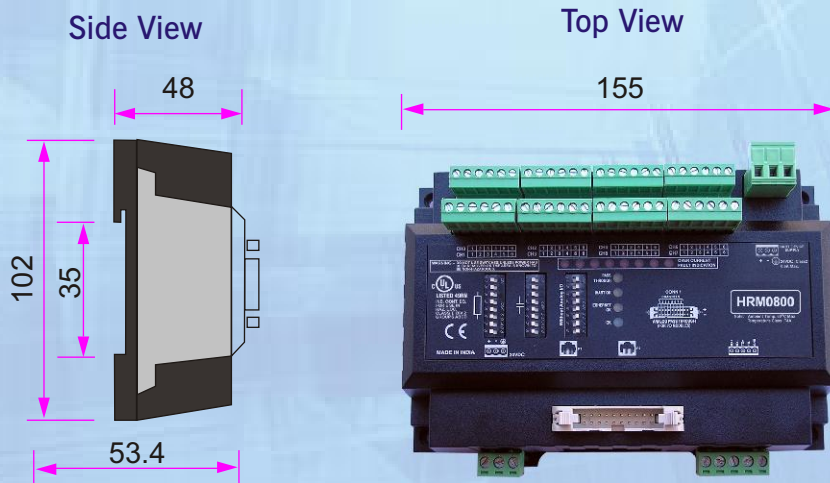
## Salient Features :-

- **Two Ethernet Switch Ports**  
The HRM0800 is equipped with two Shielded Ethernet Switch ports, used to daisy chain multiple modules.
- **4-20mA Pass-Through**  
The 4-20mA signals for each channel are accessible via the HE10 connector. Various 'quick connect' cables are available for easy connection to PLC analog input/output modules.
- **Built-in Filters and Resistor Terminations**  
The HRM0800 has three sets of 8 'dip switches'. Each channel has one 'dip switch' assigned from each of the sets. The first switch is used to provide internal 250 Ohms resistor loop impedance when the PLC analog input does not provide it. The second switch is used to enable the filtering of the HART information when a "smart" valve is used. The third switch is to close the current loop when the module is used without an analog I/O card.
- **DC to DC Converter**  
The HRM0800 has two 24 VDC power inputs; both can be supplied with one source. The first 24VDC input is used to supply HRM0800 and the second 24Vdc supply input is re-distributed to supply the 'loop current' for each channel. The supply of each channel is isolated using a DC to DC converter. The DC to DC converter can deliver 1 Watts to the connected load.

# Model Description :-



# Dimensions :-



All dimensions are in mm.



# Specifications :-

General Specifications	
Supply for HRM0800	24V DC (+/-10%) @ 500 mA
Auxiliary input 24 VDC Supply for individual DC/DC converters	Auxiliary Input Power Supply connections provided for powering field devices via 8 individual 24V DC-DC converter @ 500mA
Built-in 24 DC/DC converter	Maximum 1 Watt @ 24 V DC per Channel Continuous Short-Circuit Protection
Communication Ports	<p>1. Two RJ45 ports –Embedded switch. Usage: - Embedded Web Page for Diagnostics, Ethernet setup - Modbus TCP/IP Data Access</p> <p>2. One Removable 5-pin Terminal Block– RS485, HART™ pass-through. Usage: - 16 devices maximum without repeater.</p>
Field Wire Requirements	0.5....1.5 mm <sup>2</sup> (24.....16 AWG).
Isolation	Minimum 1 KV isolation between power supply and communication ports
Indication	<p>1. LED1: for HART™ ‘Pass-Through’ communication status LED (Yellow)</p> <p>2. LED2: for HART™ communication status LED (Yellow )</p> <p>3. LED3: Ethernet communication status LED (Yellow )</p> <p>4. LED4: Module OK/Scanning Status LED (Green )</p> <p>5. CH1-8 Over Current Fault Indication (30 mA) (Red )</p>
Isolation	<p>HART™ channels are transformer isolated. (1.5KV between HART™ modem and HART™ field device).</p> <p>Polarity independent connection on the HART™ side.</p> <p>30V DC isolation Channel to Channel.</p>
No. of HART™ Device per Channel	1 device per channel.
HART™ Protocol	Revision 7 supported. Secondary master device is supported. (i.e.: handheld configuration tool)
Module Configuration	Configuration via Ethernet port using embedded Web Pages (HTTP)
DIP switches SW1	ON Position: 250 ohm termination disabled
DIP switches SW2	ON Position: Filtering enabled
DIP switches SW3	ON Position: without Analog I/O
Dimensions	155mm X 102mm X 48mm
Operating Temperature	0 to 60°C
Storage Temperature	-20°C to +80°C, non-operating
Operating Humidity	10 - 90%, non-condensing
Compliance	CE, UL, RoHS

Please contact factory for more information. We welcome an opportunity to develop new, custom drivers and customized units.



## HEAD OFFICE

Survey No. 2/6, Baner Road, Pune - 411045, India.

Tel : +91 20 2729 2840 Fax : +91 20 2729 2839

Email : [info@renuelectronics.com](mailto:info@renuelectronics.com)

Website: [www.renuelectronics.com](http://www.renuelectronics.com)

An ISO 9001:2008 and ISO 14001:2004 certified company