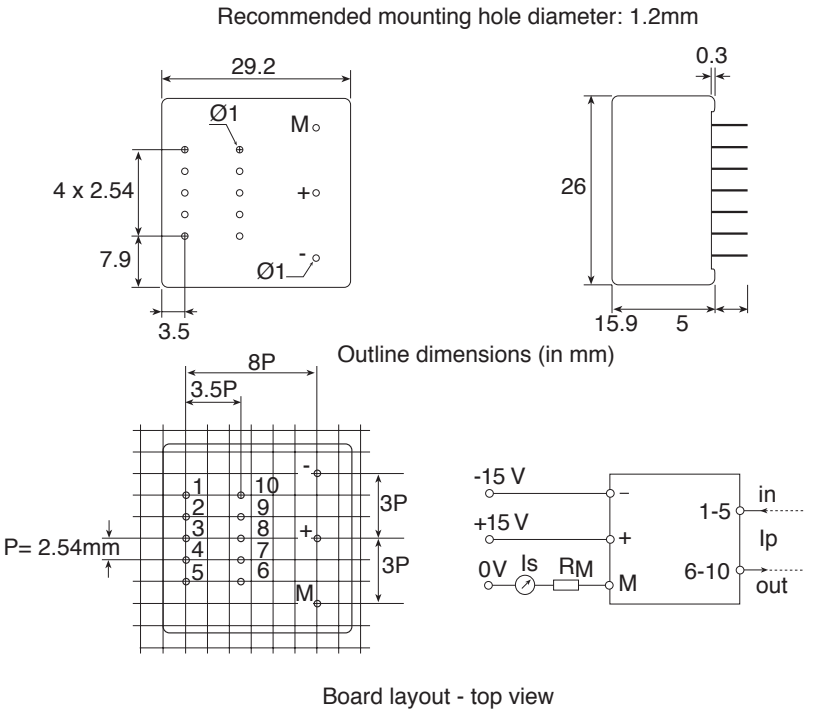
Multirange PCB Mounting Hall Effect Current Transducer 5-6-8-12-25A - Instantaneous output

Stock No. 286-311

Figure 1. Mounting detail



Board layout - top view

Connection pins

Pins 1 to 5 : Primary input
Pins 6 to 10 : Primary output
Pin - : -15V
Pin+ : +15V
Pin M : Measuring output
For selecting RM refer to the **RS** 'Hall Effect Transducers' data sheet.

LA25-NP

Calibration accuracy at +25°C	0.6% of I_N
Nominal analogue output current	25mA
Turns ratio	1-2-3-4-5/1000
Supply ratio	±15V (±5%)
Isolation	2.5kVr.m.s./50Hz/1 min
Linearity	<0.2%
Response time	<1μs
Bandwidth	⎓ to 150kHz (-1dB)
Operating temperature	0°C to +70°C
Storage temperature	-25°C to +85°C
Current consumption	10mA + output current
Secondary internal resistance	110Ω (at +70°C)
Weight	22g
Package	Potted into an insulated self extinguishing plastic case
Polarity markings	A positive output current is obtained on terminal M when the primary current flows from terminals 1, 2, 3, 4, 5 to terminals 10, 9, 8, 7, 6
Connection to primary circuit	On 10 pins 1mm diameter
Connection to secondary circuit	On 3 pins 1mm diameter