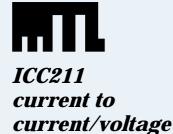
MTL ICC200 SERIES



isolator



- Galvanic isolation between input and output
- Optional choice of inputs;
 4 to 20mA, 0 to 20mA or
 10 to 50mA
- Optional choice of outputs; 4 to 20mA or 1 to 5V dc
- Eliminates earthing problems
- T- or G-section DIN-rail mounting

The ICC211 is a loop-powered isolator which provides galvanic isolation for current signals from sensors and instruments in the field and control instrumentation; so simplifying interface wiring by eliminating possible earthing and ground loop problems. Options are available for input current ranges of 4 to 20mA, 0 to 20mA and 10 to 50mA respectively combined with choices of 4 to 20mA or 1 to 5V output ranges. Simple signal checking facilities are provided by incorporating internal resistors in the input and output circuits (on output circuits these are 10Ω for 4 to 20mA versions or 250Ω for 1 to 5V versions).

SPECIFICATION

Number of channels

One

Input signal options

4 to 20mA: (ICC211-l1-xx) 0 to 20mA: (ICC211-l2-xx) 10 to 50mA: (ICC211-l3-xx)

Output signal options

4 to 20mA: (ICC211-xx-O1) 1 to 5V: (ICC211-xx-O2)

Isolation between input and output

1500V dc/ac

Power supply required

For 4 to 20mA output $V_S \min = 17 + (R_L \times 0.02)V dc$ $V_S \max = 35V dc$ For 1 to 5V output $V_S = 22 to 35V dc$

Maximum load (R_I)

 $50(V_S-17)\Omega$

Input impedance

 $10\Omega + 0.3V$ maximum without test resistors

Response time

To reach 90% of span: 40ms To reach 99.9% of span: 250ms

Transfer accuracy at 25°C (including non-linearity and hysteresis)

Better than 20µA

Temperature drift

<0.01% of span/°C

Ambient temperature limits

-20°C to +55°C (operating) -40°C to +80°C (storage)

Humidity

5 to 95% RH, non-condensing

Common mode rejection ratio

150dB typical

RFI susceptibility

Conforms to IEC801.3

Terminals

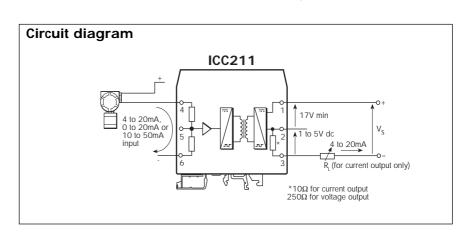
Accommodate 2.5mm² conductors

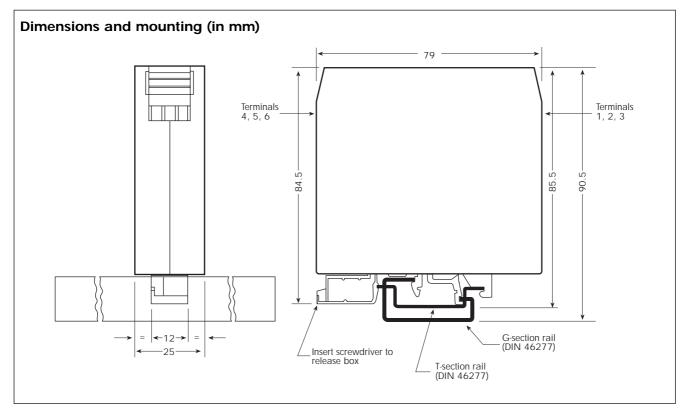
Casing

25mm width polyamide casing

Mounting

Directly onto T- or G-section DIN-rail to DIN46277





TO ORDER:-

ICC211-I1-O1	Current to current isolator (with 4 to 20mA input and 4 to 20mA output)
ICC211-I2-O1	Current to current isolator (with 0 to 20mA input and 4 to 20mA output)
ICC211-I3-O1	Current to current isolator (with 10 to 50mA input and 4 to 20mA output)
ICC211-I1-O2	Current to voltage isolator (with 4 to 20mA input and 1 to 5V dc output)
ICC211-I2-O2	Current to voltage isolator (with 0 to 20mA input and 1 to 5V dc output)
ICC211-I3-O2	Current to voltage isolator (with 10 to 50mA input and 1 to 5V dc output)

Specification subject to change without notice



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