



# RINGWAY

## Control & Automation

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## CURRENT TRANSDUCER

P/N – CURTRANS, CURTRANS\_DC

### RINGWAY 'CURTRANS' CURRENT TRANSDUCER

#### DESCRIPTION:

The Ringway Curtrans converts a 0-5A input signal (typically from a current transformer) to a 4-20mA dc output signal. Curtrans units may be calibrated to 0-5A = 4-20mA or any other specified ratio. The calibration setting is recorded on the 'Tested' sticker attached to the base. The output signal is clamped at 20mA (no over-range) for the full input current specified. The unit is DIN rail mounted and is available with supply options to suit either 110V/240VAC or 24VDC (see connection diagrams).

#### FEATURES:

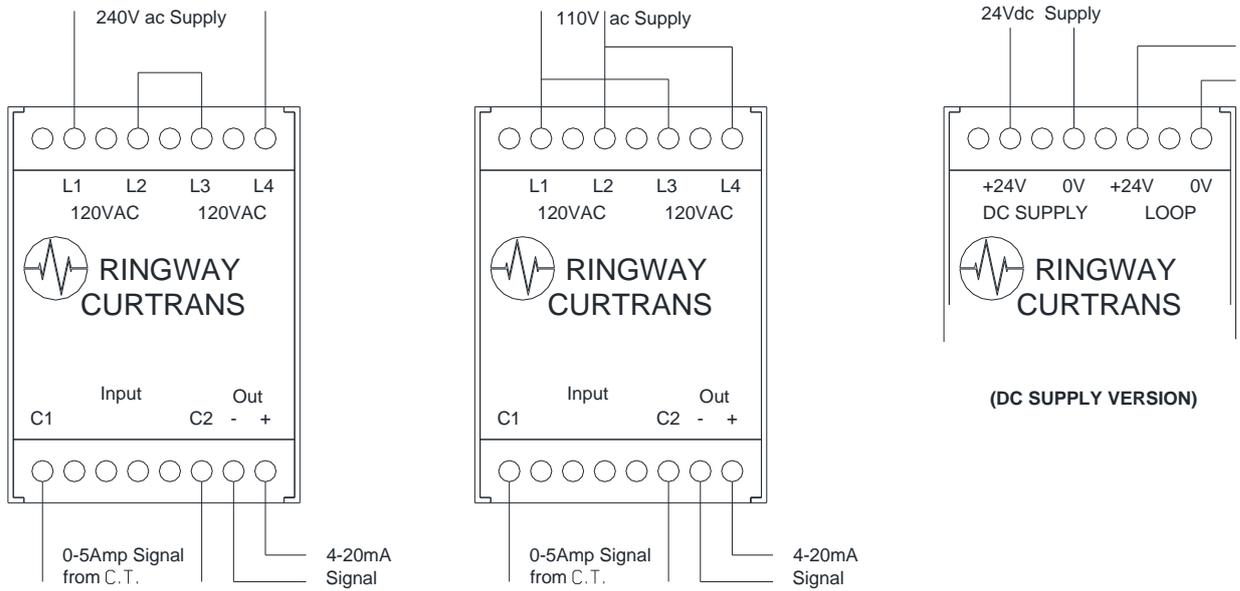
- **Simple, robust and functional.**
- AC 110/240V and DC 24V supply options
- Maximum output signal clamped to 20mA
- Easy retro-fit to existing circuitry

#### APPLICATION:

Ringway has used Curtrans units to provide motor current feedback signals into a controlling PLC in a wide range of installations since 1993. Applications include the measurement of applied torque during conveyor starting and providing feedback for the sharing of load between multiple drive motors. The transducer is simple to use and reliable.

**BRIEF TECHNICAL SPECIFICATIONS:**

**Power Supply:** 110V / 240V ac (24V dc = CURTRANS\_DC)  
**Input:** 0 – 5 Amps  
**Output:** 4-20mA  
**Maximum Output Load:** 450ohms  
**Dimensions:** 55mm (W), 75mm (H), 110mm (D)



**ALTERNATE CONNECTIONS FOR CURTRANS**