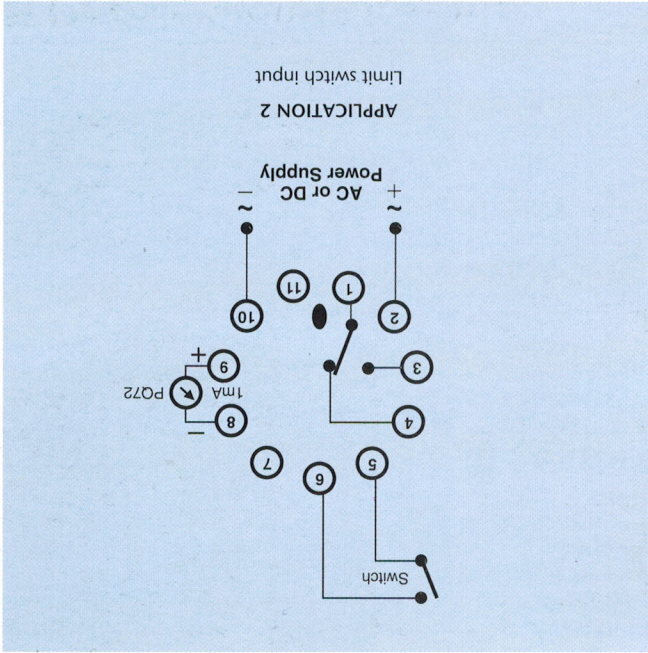
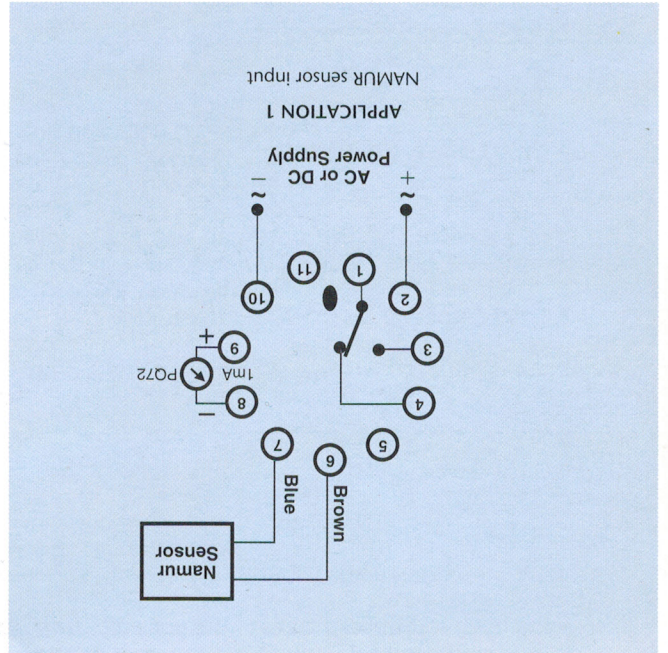




Wiring and Connection

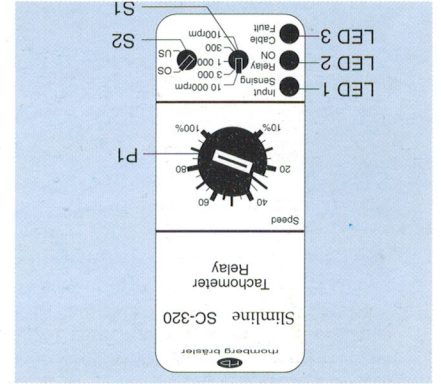
Power Supply: to be connected to pin 2 (phase/positive) and pin 10 (neutral/negative);
Relay Contacts: 1 + 3 normally open, 1 + 4 normally closed.

Sensing Input: Connect brown wire to the pin 6; NAMUR sensor input: Connect the blue wire to pin 7; Limit switch input: Connect the switch between pin 5 and pin 6; **Analogue output:** Connect the instrument PQZ2 to pin 9 (+) and pin 8 (-), observing polarity.



Note: For further information on sensors refer to our Detector sensor catalogue.

Description of Controls



LED 1: The LED marked "Input Sensing" illuminates when the NAMUR sensor detects a target. It also illuminates if the sensor is disconnected or the sensor leads are severed (open circuit).

LED 2: The LED marked "Relay ON" illuminates when the relay is energised.

LED 3: The LED marked "Cable Fault" illuminates when: a short circuit occurs on the sensor leads, or, an open circuit occurs on the sensor leads or the sensor is disconnected.

Note: An open circuit condition will cause both LED 1 as well as LED 3 to illuminate.

A short circuit condition will cause only LED 3 to illuminate.

Technical Specification

Power Supply: AC: Supply voltage: 12, 24, 110, 230, 400, 415, 525V ±15%
 Isolation (sensor input to power supply): 2kV
 Power consumption: 3 VA (approx.)
 6VA for 415, 525V (approx.)
 DC: Supply voltage: 10-30V, 48, 60, 110V ± 15%
 Isolation: no galvanic isolation.
 Power consumption: 100mA (10-30V), 30mA for higher ranges.

Sensor Input: Type: NAMUR (DIN 19234)
 Short Circuit Current: 20mA DC
 Open circuit voltage: 8,2 VDC
 Hysteresis: 10% (fixed)

Speed Range	Approximate Response time
10- 100RPM	10 seconds
30- 300RPM	10 seconds
100- 1000RPM	1 second
300- 3000RPM	1 second
1000- 10000RPM	1 second

Repeatability: 1%
 Start-up delay: approximately 10 seconds
 (Available 0-15 seconds on special order)
 Analog output: 0-1 mADC (proportional),
 (0-20mA or 4-20mA available as an order option)
 Maximum load: 7k Ohm
 Accuracy: 5% of full scale