

**IR.10 Egg counter****A4240004****Contents**

Applications _____	1
Features _____	1
Technical specifications _____	2

**Applications**

The IR.10 is an infrared electronic egg sensor, which accurately counts eggs in any arrangement on a rod or belt conveyer. Spanning a full 10 cm/ 4 inches, the sensor can count up to 3 eggs in a row.

Features

- The use of infrared technology means the eggs are counted without being touched. This eliminates the risk of damage and/or soiling.
- As the electronics are sealed into the counter it can be left in place in the poultry house even during cleaning.
- Highly accurate
- Low energy consumption
- Compact model
- Uninfluenced by other objects. It will not mistake the rods on the collection belt for eggs.
- No need to separate eggs
- Speed of egg/collection belt can be controlled from 0 to 15 metres per minute
- A special power supply for the counter with a readout means the number of eggs can be readout out directly on the power supply display.

**Technical specifications****Power supply**

Supply voltage	9 - 25Vdc
Power consumption	
Maximum	30 mA
Typical	20 mA

Output

1 egg per pulse	pulse width	NPN open collector
Conveyer speed		150 m/sec
		0-15 meters per minute
		0-50 feet per minute

Housing

Plastic housing with screw on lid, protection class	IP54
Dimensions (l×w×h)	125×47×26mm/4.9×1.8×1 inches
Weight (unpacked)	140g/4.9oz

Ambient climate

Operating temperature range	0°C to +70°C / 32°F to +158°F
Storage temperature range	-20°C to +85°C / -4°F to +185°F
Relative humidity	<95%, uncondensed