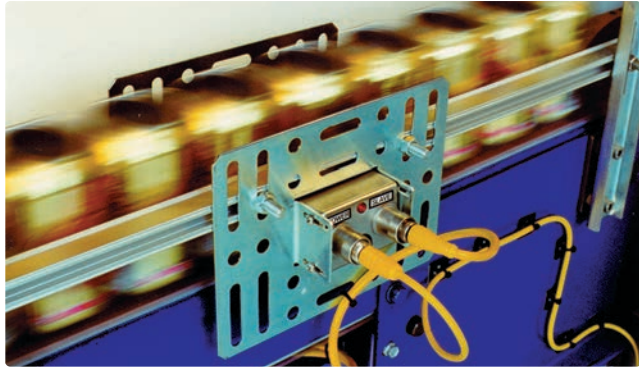


Can Counting Sensors

11P-370, 371, 372, 373-06

UNIQUE DESIGNS, SPECIALLY DEVELOPED FOR CANMAKING



Unparalleled accuracy and reliability

BENEFITS
Unparalleled Accuracy
Unidirectional Sensing
Continuous Reliability
Divided Output Option

COUNTING CANS IS NOTORIOUSLY DIFFICULT — and is beyond the ability of standard inductive or optical sensors. The round shape of a can, coupled with the inherent shaking, jiggling and reversing of cans on the line leads to serious counting errors. And an inaccurate count is often worse than no count at all. All these problems are eliminated with Sencon's can count sensors, which are designed exclusively to achieve highly accurate and reliable counts on canmaking lines. Sencon sensors allow precise monitoring of production and/or spoilage data with 100% confidence.

UNPARALLELED ACCURACY — Sencon's famous count accuracy is possible thanks to their custom microchip design and Sencon's own advanced sensing technology. Quoted count accuracies of 30 per 1,000,000 have been bettered in many installations.

UNIDIRECTIONAL SENSING — By intelligently sensing the direction of product flow, those cans that bounce or are pushed back in the reverse direction are never counted twice. Even cans shaking and jiggling in front of the sensor do not create a miscount.

CONTINUOUS RELIABILITY — By eliminating the need for user adjustments or maintenance, these sensors provide a 'fit and forget' approach to can counting. Sencon's dual head models also eliminate installation problems associated with achieving the correct sensing distance when cans are loosely contained in trackwork.

DIVIDED OUTPUT OPTION — Built-in circuitry allows the option of a divided output with an almost even mark space ratio. This provides a near perfect square wave, which may be needed for interfacing to displays and other equipment.

END COUNTING APPLICATIONS — Sencon also offers **End Counting Sensor** (p.51) capable of counting lids and ends in 'stick form'.

NEW SENSOR AVAILABLE

Designed for low profile cans 36.5mm or lower in height. 11P-373-LP

APPLICATION NOTES

If the divide-by option is not selected, the minimum pulse duration will limit the frequency response of devices suitable for connection to the output.

When spaces exist between cans, the can's transit velocity becomes a factor. For example, two can spaces between cans denotes an effective velocity of x3, resulting in a shorter ON time.

NB. Beware of bursts of speed, e.g. gravity drops on filling lines.

Stated accuracy will only be achieved when sensors are correctly installed and aligned.

COMMON SPECIFICATIONS

Target Material	Round aluminum or steel cans
Operating Voltage	11 to 30 VDC
Maximum Can Rate	5000 CPM (back to back)
Min. Pulse Duration	200 μ -sec
Min. Frequency Response	5 kHz
Output Configuration (Push - Pull)	Transistor switch to + VDC and 0 VDC
Divide by 1, 2 and 10	Standard on all can counting sensors

ACCESSORIES

Brackets for easy mounting	UCBF-1 (Pair of stainless steel brackets)
Cables for DC sensors	Counting sensors are not supplied with a cable. Cable QDC-6F-4S is 6' (2 m) with a straight connector. Other cable lengths and connector styles are available.

CAN COUNT SENSOR SELECTION GUIDE

Can \emptyset Range	Quick Disconnect Release	Part Reference Number
201 (52 mm) to 207.5 (63mm)	●	11P-370-06
207.5 (63 mm) to 306 (86 mm)	●	11P-371-06
306 (86 mm) to 607 (164 mm)	●	11P-372-06
207.5 (63 mm) to 306 (86 mm) Designed for containers 107 [36.5mm] or lower in height	●	11P-373-LP

