

MODEL TC COUNTER

INSTALLATION & INSTRUCTION SHEET

Attaching mount to counter: Begin by inserting shaft of post into ½ inch semicircular hole in bottom of counter body. The flat side of the shaft should face the front faceplate of the counter.

Installing counter with post mount: Place clamp of post mount over vertical edge of folder or other machine on which counter is being used. Tighten lower thumbscrew to secure. The counter body can be turned to the desired viewing angle by loosening the upper thumbscrew, turning the counter body horizontally, and then retightening the thumbscrew to lock the counter in place.

Installing counter with magnetic mount: Place mount on steel surface while holding on to post part of mount.

Installing the sensor: On a folder, install by placing sensor on the fold plate, with magnetic area on the metal part of the fold plate and active area extending over the edge of the fold plate rib. Hint: The sensor can detect and count the moving paper anywhere between the mouth of the fold plate and the fold plate stop. Putting the sensor as close as possible to the mouth eliminates readjustment of the sensor location when the fold plate stop is adjusted. **For aluminum fold plates**, 3 square pieces of sheet metal are provided in a small manila envelope in the box. These provide a surface for the magnet to adhere. These can be taped to the fold plate with double-stick foam tape, glued or attached with silicone sealant, which is easy to remove if necessary. **To position the sensor on machines other than folders**, read the Usage Tips & Techniques on the other side of this page.

Insert the plug at the end of the sensor curly cable into the jack in the back of the counter case. The curly cord should be positioned to route the sensor cable away from moving machinery parts.

Plug the AC adapter into a 110 volt, 60 Hz. outlet. Turn the counter on by pushing in the power switch. To turn the counter off, push the power switch again. When turned off, the counter will permanently retain its count.

To reset the counter, push the reset button for 2 seconds. The need to hold the reset in for 2 seconds prevents an accidental push from resetting the counter.

TC COUNTER USAGE TIPS & TECHNIQUES

Although the instructions for the counter are written in terms of using it on folders, the counter can be used on many other machines including collators, stitchers, inserters, scorers/perforators, roll feeders, and some presses (usually on the feed end).

It can be used on almost any device where the objects to be counted are not stream fed, i.e., not overlapping when they pass under the sensor. The object must have a parallel surface within approximately two inches of the sensor sometime during the count cycle with a minimum separation of approximately ¼ inch. It will count round objects or flat objects that turn in an arc in front of it. The counter can be used to count many items: sheets of paper, forms, labels, pamphlets, inserts, envelopes, magazines, books, etc.

Generally, infrared light from the sensor is reflected back only when paper, etc., passes under the sensor; otherwise the light scatters down towards the floor. But on many machines such an installation site is unavailable as there is a reflecting surface only a few inches under the sensor. This surface will cause the infrared light beam to be constantly reflected back towards the sensor, locking the count. This can usually be remedied by the use of flat black paint or a black felt pen applied to the reflective surface.

Two counters can be mounted on one folder; one on the register side guide and one on the last fold plate. By running both counters simultaneously, you can, by subtraction, know the loss during the folding process.

IMPORTANT NOTICE

Do not open the counter case. There are no user serviceable parts inside. Opening the counter case will invalidate the warranty.

The A.C. adapter has within it a low voltage power transformer. If damaged, call Olden Enterprises or your dealer for replacement information.

To clean the faceplate of the counter, use a clean, dry cloth, slightly dampened with isopropyl alcohol. Other solvents may damage the faceplate.

Counter warranty is one year parts and labor. Abuse of any type is not covered under warranty.

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