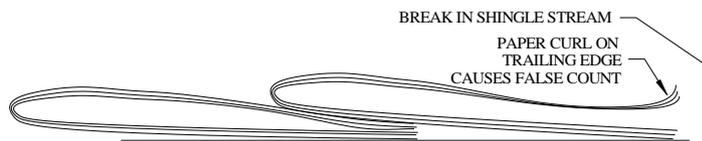




What it does:

The Tail Count Blocker unit (TCB1) is an add-on to the Copycounter 4 which eliminates the extra count pulse that sometimes occurs from the curled-up trailing edge of the last copy before a break in the stream.



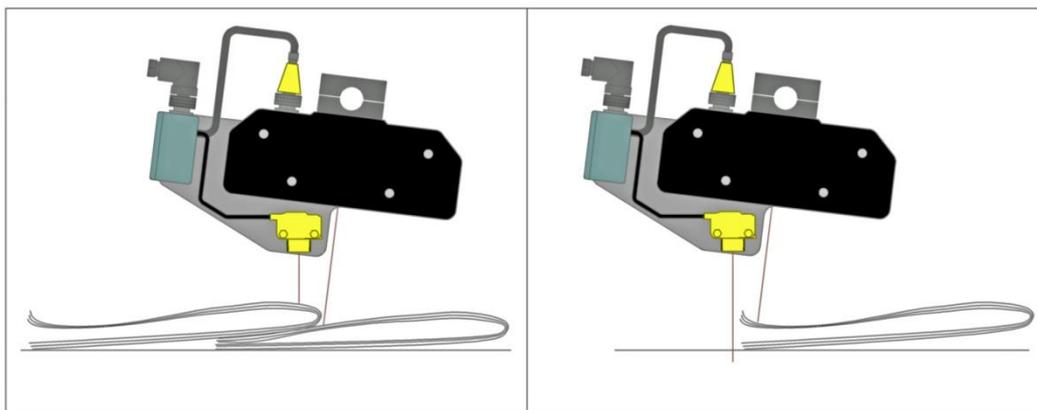
Why you might need it:

If your shingle delivery stream is intermittent, for example the stream is bad and copies are being dumped regularly and you are running a thin absorbent paper type, then the last copy at each break in the stream may cause a second count pulse from the Copycounter: one from the leading edge and one from the trailing edge.

For each second count pulse from the Copycounter the customer will receive one less copy. Thus you have one annoyed customer, probably more. It also means that the operator will want to run extra copies to cover possible shortages. This ends up with over-runs which waste money.

The CTB1 unit prevents that from happening by inhibiting the Copycounter count pulse when there is a gap after the last copy before the break in the shingle stream.

How it does it:



The CBT1 has a reflective proximity sensor (the yellow part on the picture above) that detects the presence of copies passing under it. If there are no copies then the signal from this sensor inhibits the count pulses from the Copycounter.

Limitations:

The conveyor must not be in the path of the light from the reflective proximity sensor so the CBT1 is only useful for ribbon belt or wire conveyors, and is not suitable for single belt conveyors.

The rule of thumb here is that when there is no copy below the sensor then the light passes through the plane of the conveyor by some 100mm.