

JD-1 Jam Detector



FEATURES:

- ◆ Two independent trigger inputs, one for each output channel
- ◆ Unit tracks line speed, so jam parameters can be entered in length units
- ◆ Separate maximum product lengths (jam thresholds) for each channel
- ◆ Built-in power supply, for powering photo eyes, proximity sensors, etc
- ◆ Jam Alert output can be latched ON or generate a min 250 ms pulse per jam
- ◆ Optically-isolated inputs and outputs for electrical noise immunity
- ◆ Compensation for electronic or electromechanical delay of sensor devices

Also available in a combination box with other HAECO controls.



The HAECO JD-1 is a two channel speed tracking jam detector. It allows the user to enter a maximum length for each channel that alerts the operator and signals the parent machine if there is a feed problem. The JD-1 will detect overlap of product, slippage of product, leftovers on die cuts, or any other problems that result in the sensor seeing the product for longer than the programmed length. This can be done at varying line speeds up to 3,000 fpm.

SPECIFICATIONS:

PHYSICAL:

- Enclosure: NEMA/EEMAC Type 12 (Mounting bracket kit included to meet UL/CSA external mounting requirements)
- Dimensions: 9.84"H x 7.87"W x 5.91"D (250 x 200 x 150)
- Mounting: 10.32"H x 5.31"W - 1/4-20 (292 x 135) - M6

PERFORMANCE:

- Length Values: 0.01-999.9", or 0.5 mm-9.999m
- Output Configuration: Single pulse "or" continuous - on
- Operating Temperature: 32-140°F (0-60°C)
- Length Resolution:
 - .01" @ 450 fpm (05mm @ 270 mpm)
 - .02" @ 900 fpm (1.0mm @ 540 mpm)
 - .05" @ 1500 fpm (2.0mm @ 810 mpm)
 - .10" @ 3000 fpm (3.0mm @ 1080 mpm)

ELECTRICAL:

- Trigger Input: (2) 5-24 Vdc, 4-25 mA (Mechanical contact switching not recommended)
- Output: (2) 5-60 Vdc 3 Amp, or 60-240 Vac 5 Amp
- DC Power Supply: 18 Vdc, 250 mA max.
- Input Power: 100-120 Vac 50/60 hz 25 watts nominal (200-240 Vac input capable)
- Line Speed Input: linear 10-300 Vdc @ max. line speed
- Optional UI-1 for encoder input see UI-1 data sheet for encoder specs

ORDERING SPECIFICATIONS:

- AC or DC Output
- With or without keyed lock (additional)
- For NEMA 4 rating specify solid door
- UI-1 (Additional)

WARRANTY: 1 year limited

www.haeco.us

6504 Snider Road • Loveland, Ohio 45140 • 800-852-3522 • Fax: 513-722-1032