

ISTS970N, ISTS971N  
ISTS970T, ISTS971T



## ISO - LOGIC BUFFER SCHMITT TRIGGER INTERRUPTER SWITCH

### DESCRIPTION

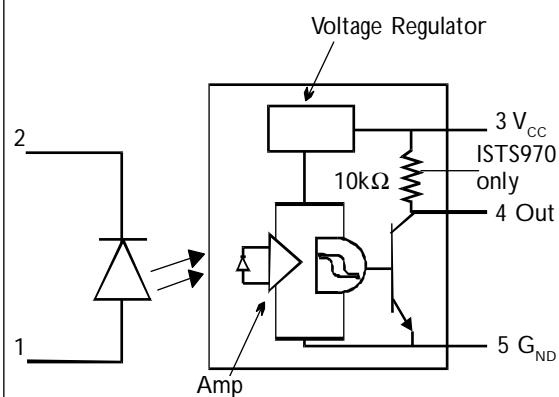
The ISTS970 and ISTS971 series of transmissive photointerrupters are single channel switches consisting of a Gallium Arsenide infrared emitting diode coupled to a high speed integrated circuit detector. The output incorporates a Schmitt trigger which provides hysteresis for noise immunity and pulse shaping. The gap in the plastic housing provides a means of interrupting the signal with an opaque material, switching the output from an 'OFF' into an 'ON' state.

### FEATURES

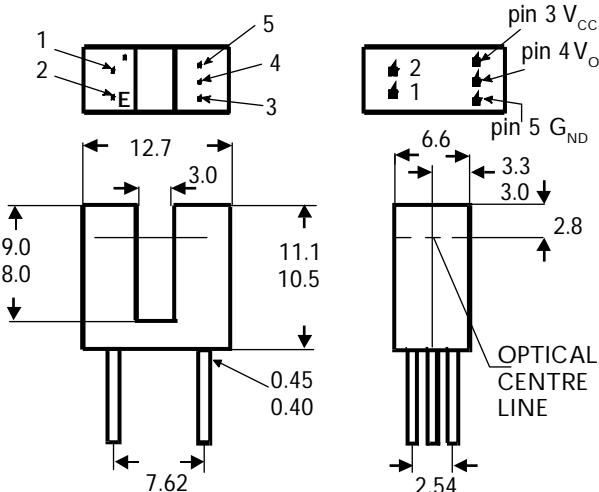
- Output high under incident light
- Built in Schmitt trigger circuit
- Pull up resistor between  $V_{CC}$  and output (ISTS970)
- Open collector output (ISTS971)
- High sensitivity
- 3mm gap between LED and detector
- 1mm aperture over detector

### APPLICATIONS

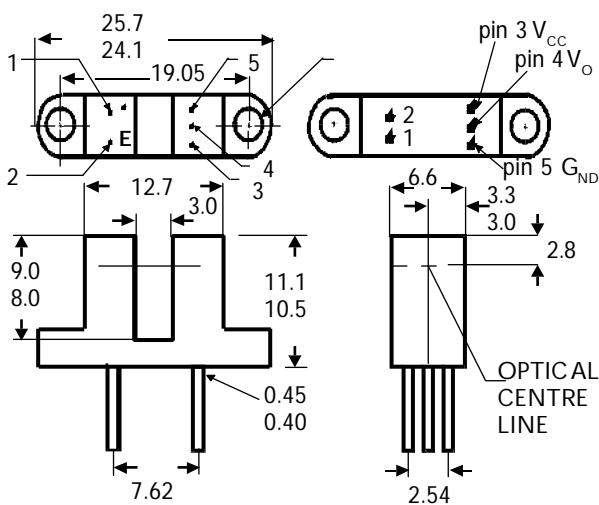
- Floppy disk drives, Copiers, Printers, Facsimiles, VCR's, Cassette tape Recorders, Automatic vending machines



### ISTS970N ISTS971N



### ISTS970T ISTS971T



**ISO - LOGIC BUFFER SCHMITT TRIGGER INTERRUPTER SWITCH**

Unit 25B, Park View Road West,  
Park View Industrial Estate, Brenda Road  
Hartlepool, Cleveland, TS25 1YD  
Tel: (01429) 863609 Fax : (01429) 863581

**ISO - LOGIC BUFFER SCHMITT TRIGGER INTERRUPTER SWITCH**

720 E., Park Boulevard, Suite 104,  
Plano, TX 75074 USA  
Tel: (972) 423-5521  
Fax: (972) 422-4549



