7999F8-302
Totalizing Counter
8 digit counter with high and low speed count inputs and backlighting

Manual Number: 702194-0001
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Dimensions

Panel cut-out: 45.3mm X 22.2mm (1.783" x 0.874")

Connection is via 2 sets of 3 pins at 0.1 inch pitch, spaced as shown. The unit is fixed to the panel using the two spring clips which are integral to the housing. The unit is the correct way up when the pins are at the bottom.

Inputs

The low speed input (pin 2) should always be used for contact closure because this is the only input which contains de-bounce circuitry.

Specification

Display
- 8 digit, 8mm high contrast LCD characters

Current consumption
- Counting 6mA, standby 3μA, backlight 80mA max

Operating Temperature
- 0°C to +50°C

Storage Temperature
- -20°C to +70°C

Supply voltage (pin 1)
- 2.7 - 3.3VDC

Low Speed Count Input (pin 2)
- Contact closure/open collector input, 20kHz max, negative edge triggered, 0.7V threshold 18V max, 25μS min. pulse length

Electronic Count Input (pin 3)
- 10kHz max, positive edge triggered, 0.7V threshold, 18V max, 50μS min. pulse length, TTL/CMOS compatible

Reset Input (pin 4)
- Contact closure/open collector, negative edge triggered, 0.7V threshold 18V max, 15μS min. pulse length

Common (pin 5)
- Supply 0V and signal common

Backlight (pin 6)
- Connect to 5V DC

Additional components required for use with a supply voltage greater than 3V

The unit can be powered from a higher DC voltage using the external circuit shown. For a 5v supply omit the regulator. Use the regulator for a supply in the range 8 - 30v.

Note:
- This product is ideally suited to battery powered applications. Should the product be used in a circuit where an external power source is used, then the complete system will require separate approval to meet the CE standards.

Mount the 100nF (transient suppression) capacitor as close to the unit as possible.
**Warranty:** Standard products manufactured by the Company are warranted to be free from defects in workmanship and material for a period of one year from the date of shipment, and products which are defective in workmanship or material will be repaired or replaced, at the option of the Company, at no charge to the Buyer. Final determination as to whether a product is actually defective rests with the Company. The obligation of the Company hereunder shall be limited solely to repair and replacement of products that fall within the foregoing limitations, and shall be conditioned upon receipt by the Company of written notice of any alleged defects or deficiency promptly after discovery within the warranty period and in the case of components or units purchased by the Company, the obligation of the Company shall not exceed the settlement that the Company is able to obtain from the supplier thereof. No products shall be returned to the Company without its prior consent. Products which the Company consents to have returned shall be shipped F.O.B. to the Company's factory. The Company cannot assume responsibility or accept invoices for unauthorized repairs to its components, even though defective. The life of the products of the Company depends, to a large extent, upon the type of usage thereof, and THE COMPANY MAKES NO WARRANTY AS TO THE FITNESS OF ITS PRODUCTS FOR SPECIFIC APPLICATIONS BY THE BUYER NOR AS TO PERIOD OF SERVICE UNLESS THE COMPANY SPECIFICALLY AGREES OTHERWISE IN WRITING AFTER THE PROPOSED USAGE HAS BEEN MADE KNOWN TO IT.

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