

CON100iB Multiply Interface Converter

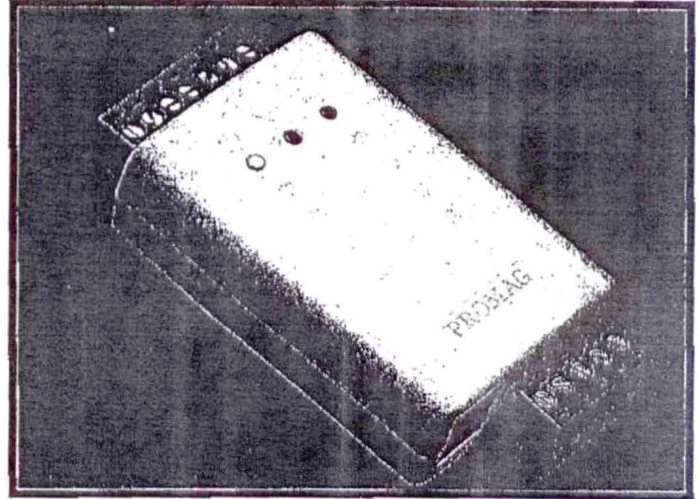
with iButton

INTRODUCTION

The CON100iB can be used to convert commonly used data formats to Clock & Data(MSR), RS232 or Wiegand format data.

FEATURES

- Converts from Wiegand, RS232, Clock & Data (MSR) or Dallas iButton™ format.
- Converts to RS232, MSR or Wiegand format.
- Can convert to or from Wiegand with up to 64 bits of data, including up to 64 bit site code plus optional start and end parity bits.
- User programmable setting by software when converting to Wiegand or MSR.
- Reads up to 64 bits from Dallas iButton™ user memory or 56 bits from factory ID.
- Up to 144 characters or digits from/to Track 1, 2 or 3 Clock/Data (MSR) format input/output.
- Auto HEX and DEC convert to MSR Output.



SPECIFICATIONS

OPERATING

MSR Reference Standards	ISO7810, ISO 7811, JIS X6301, JIS X6302I
MSR Decode/Output Method	ISO/JIS-I : Track 1 IATA , Track 2 ABA , Track 3 THRIFT JIS-II : Track NTT
Interface Format	<p>Input/Output Interface - RS232C interface : Programmable by DIP Switch or Software (Option). Input / Output Default : 19200 bps, (8,N,1) Wiegand interface : Programmable by DIP Switch or Software (Option). Input Default : 26 Bits Output Default : 26 Bit, Pulse Width:100µs, Pulse Separation: 2ms MSR interface : Programmable by DIP Switch or Software (Option). Input Default : Decode ABA , 7-BIT, JIS II format card. Output Default : Track2 ABA , Simulate Swipe Card Speed : 40 IPS</p> <p>Input Interface only - iButton : Programmable by DIP Switch or Software (Option). For DS1990A (Unique 48-bits serial number)</p>

ELECTRICAL

Power Input	9VDC , Standby Current 10 mA@12VDC, Limit Current 200mA
Regulation Output	5 VDC +/- 10 % , 300 mA (max.)

MECHANICAL

Dimensions	Length : 70 mm / Width : 35 mm / Height : 18 mm (Include Terminal)
Weight	30 gm (Include Terminal)
Connectors	5 pin terminal 3.5 mm : for iButton Input, RS232 and Power In/output 7 pin terminal 3.5 mm : for Power Output, Weigand, MSR In/output 2 pin D3.5mm : for Power In/output
Dip/Tact Switch	8 DIP : for Output Interface, RS232/Weigand/MSR output Setting Tact Switch : for ISP

ENVIRONMENTAL

Temperature	Operating : -10 °C to 60 °C Storage : -30 °C to 70 °C
Humidity	Operating : 10 % to 90 % noncondensing Storage : Up to 90% noncondensing