DiGiCATOR®
"917"

DUAL IN-LINE PACKAGE

DECODER/DRIVERS

Miniaturized DiGiCATOR Decoder/Driver Modules convert BCD or Decimal output signals into the input voltages necessary to drive 7 segment numeric displays. Integrated decoder circuitry, featuring the unique use of decoder flat-pack elements, controls high current incandescent lamps with signals as small as 2.0 milliamps. Through the use of separate logic and lamp supply circuits, high voltage lamps can be controlled with low logic voltage inputs. The entire series of drivers are now available with latching memory. These features, plus the complete compatability of the DiGiCATOR Driver with most available 7 segment, bar type, numeric readouts, make DiGiCATOR a truly versatile line of components.

Advanced Technology

THE BASIC DIGICATOR BCD TO 7 - LINE DECODER / DRIVER IS A MONOLITHIC, MEDIUM SCALE INTEGRATED CIRCUIT WITH ACTIVE LOW OUTPUTS FOR DIRECT DRIVE OF NUMERIC DISPLAY. ADVANCED DIELECTRIC ISOLATION TECHNOLOGY PROVIDES DRIVE CAPACITY UP TO 15V, @ 80 ma PER LAMP.

CHASSIS MOUNTED PC
CARD & SOLDER PADS

Unique Circuit Design

THE LAMP SUPPLY CIRCUIT IS SEPARATE FROM THE LOGIC SUPPLY CIRCUIT, THUS PERMITTING OPERATION OF DISPLAYS WITH VARIOUS LAMP VOLTAGE AND CURRENT RATINGS, UP TO THE MAXIMUM OF 15 VOLTS PEAK AND 80 ma PER LAMP. LAMPS CAN BE OPERATED FROM UNREGULATED AND UNFILTERED DC CURRENT. LAMP VOLTAGE CAN BE ADJUSTED TO VARY LAMP INTENSITY WITHOUT AFFECTING THE DECODER LOGIC.
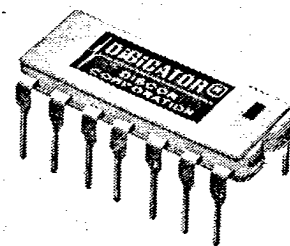
IC Compatibility

THE STANDARD DIGICATOR DECODER/DRIVER IS COMPATIBLE WITH ALL TTL, DTL, AND RTL INTEGRATED CIRCUIT LOGIC SYSTEMS.   (SPECIAL UNITS ARE AVAILABLE FOR INTERFACING WITH OTHER TYPES OF LOGIC.)
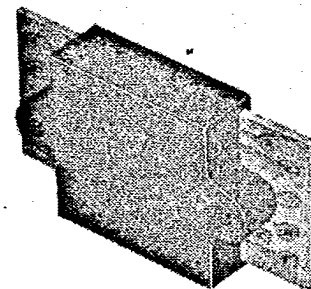
PLUG-IN WITH SOLDER PINS

Wide Selection

DIGICATOR DECODER / DRIVERS ARE OFFERED IN A BROAD LINE OF PACKAGING CONFIGURATIONS TO SATISFY THE REQUIREMENTS OF VARIOUS APPLICATIONS. THE BASIC UNIT IS A STANDARD 14 PIN DUAL IN-LINE PACKAGE.   THIS DIP IS ALSO INCORPORATED INTO SEVERAL TYPES OF UNIVERSAL CHASSIS MOUNTED MODULES, AND SPECIAL PLUG-IN MODULES WHICH MATE WITH VARIOUS SERIES OF THE DIGICATOR READOUT LINE.
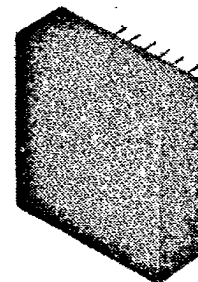
CHASSIS MOUNTED
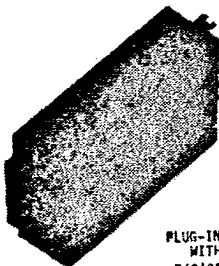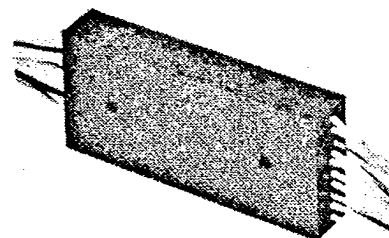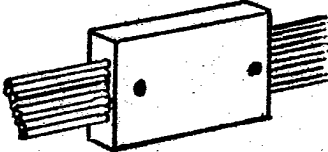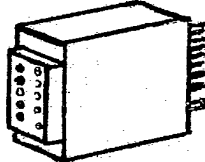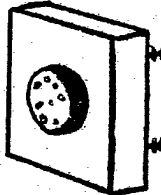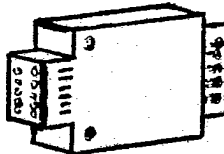INTEGRAL LEADS
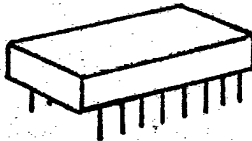
PLUG-IN MODULE MATES
WITH SERIES 16
DIGICATOR READOUT
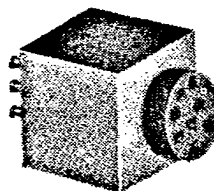
PLUG - IN MODULE MATES WITH
SERIES 20
THIN-LINE DIGICATOR READOUT

DCDR — 1X

"5917"

DISCON INDUSTRIES, INC.

MODEL	
5916 D/D with Memory 5917 D/D with Decade Counter 5970 Hexadecimal D/D	
5903 Chassis Mounted D/D with Integral Leads 5902 D/D with Memory 5904 D/D with Decade Counter	
5822 Plug-In D/D for Series 16 Readout	
5920-1 Plug-In D/D for Series 20 Readout 5925-1 D/D with Memory 5950 D/D with Decade Counter 5990 Hexadecimal D/D	
3421 Plug-In D/D for Series 30 Readout 3392 Hexadecimal D/D	

DCDR - 2X