

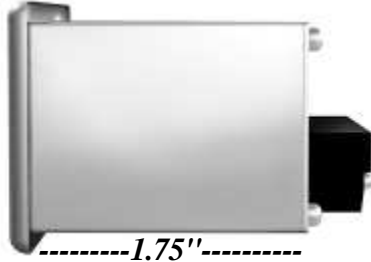
NEW

BCD INPUT REMOTE DISPLAY FOR HI-REL, MIL-SPEC, NUCLEAR & INDUSTRIAL

**MODEL
BCDPM**



5 Digits



1.75"

Note: 1" Depth On Request

FEATURES:

- Full 5 Or 3 1/2 Digits & D.P. 0.6" HI LED
- BCD Multiplexed Input (TTL)
- 24V Logic Input On Request
- Intensity Control
- Display Test
- 5, 12, 24 & 48VDC Power Input
- Aluminum Machined Nickel Plated Case
- Mil-Spec & Nuclear Approved (NOTE 1)
- Plug-In Euro Screw Connector



3 1/2 Digits



REAR VIEW

2.80" X 1.310" PANEL CUTOUT
BEZEL: 2.91 X 1.52"

DESCRIPTION

OTEK's **BCDPM** incorporates State-Of-The-Art Technology to assure long life and availability to replace obsolete units. The unit accepts Multiplexed BCDC (1, 2, 4, 8) and 5 Digit select and decimal point information and displays it on its 0.6" high bright red (green and orange on request). An intensity control input is provided for maximum readability on most environments (Night Vision NVG3 on Request). Two versions are available: A full 5 digit and a 3 1/2 digit with "-" sign (-1999). **PLC** 24VDC interface is available (Option 1 On Input Type). The standard unit accepts "TTL" positive logic levels.

The **HOUSING** is made out of machined aluminum, nickel plated. **Sanitary & Explosion Proof** can be pipe, panel, wall or conduit mounted.

SPECIFICATIONS

(at 25°C/5VDC Power Industrial Grade)

- Logic Levels: TTL Positive Logic
- Input Type: Multiplexed Digit Select & Parallel BCD
- Power Consumption: (All 8s) 250mA @ 5V Power
- Intensity Control: 500Ω External Potentiometer (Not Supplied)
- Operating Temperature: -10 + 60°C
- Storage Temperature: -20 + 70°C
- Humidity: 5-90% RH, N.C.
- MTBF (Calculated): >100,000+ Hours
- Sanitary Case: To 250°F Steam
- Explosion Proof For Class I, Div. 1 & 2 Certified
- Lifetime Warranted (LTD.)

ORDERING INFORMATION (6/5/09)

Model: BCDPM - 1 2 3 4 5

GRADE (1)

- 0 Industrial
- 1 Mil-spec
- 2 Nuclear (Contact Otek)
- 9 Custom

POWER INPUT

- 0 Non-Isolated 5VDC
- 1 Isolated 5VDC
- 2 Isolated 12VDC
- 3 Isolated 24VDC
- 4 Isolated 48VDC
- 9 Custom

NUMBER OF DIGITS

- 0 5 Full Digits
- 1 -3 1/2 Digits
- 9 Custom

INPUT TYPE

- 0 TTL
- 1 24V Logic
- 9 Custom

CASE STYLE (2)

- 0 Metal
- 1 Sanitary
- 2 Explosion Proof
- 3 Standard Plastic
- 9 Custom

NOTES:

1. For Mil-Spec & Nuclear Grades, Contact OTEK. Otek will build to certain MIL-standards but testing and confirmation of compliance, if required, will need to be done by a third party and at customer's expense.
2. Maximum of 3 Units Inside Sanitary Case. Specify Option 9 and Describe.

520-748-7900

FAX: 520-790-2808
E-MAIL: sales@otekcorp.com
http://www.otekcorp.com

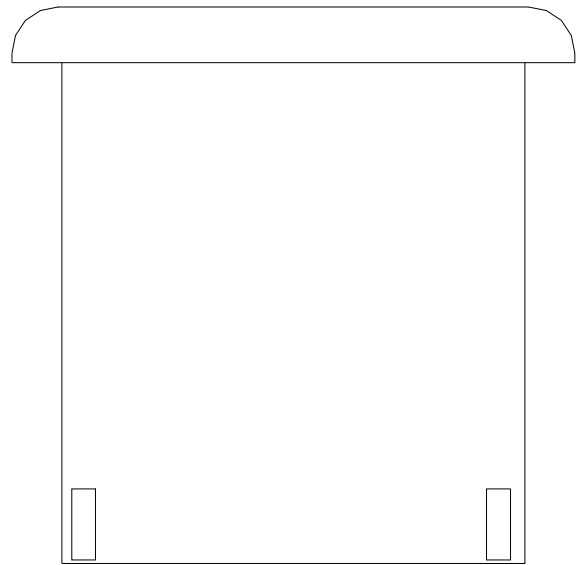
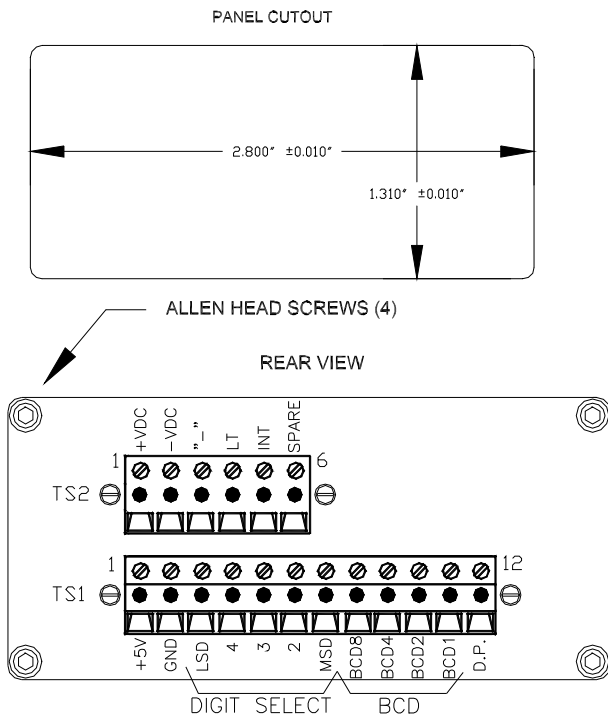
OTEK™
CORP.
SINCE 1974

4016 E. TENNESSEE ST.
TUCSON, AZ. 85714 U.S.A.
MADE
IN
USA

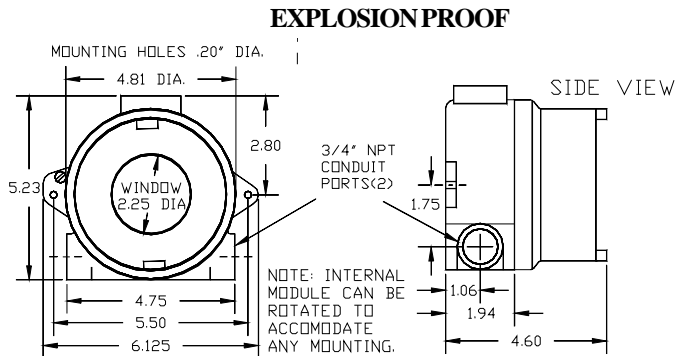
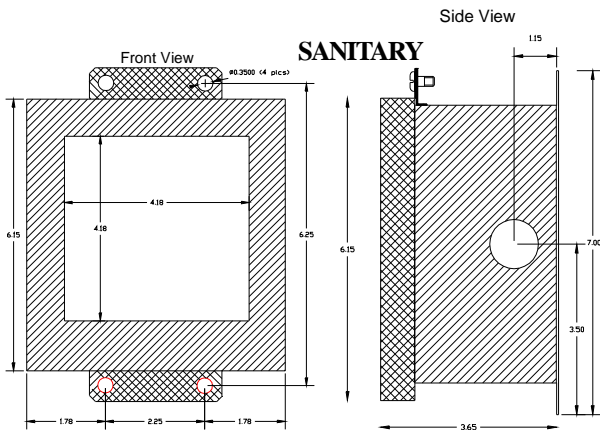


TYPICAL CONNECTIONS

SIDE VIEW



2.80" X 1.310" PANEL CUTOUT
BEZEL: 2.91 X 1.52"



TERMINAL DESCRIPTION

- TS2-1= +VDC POWER INPUT (12, 24 OR 48VDC BASED ON MODEL NUMBER ORDERED)
- TS2-2= -VDC POWER RETURN (On 12, 24, OR 48V POWER MODELS, CONNECT TO TS1-2)
- TS2-3= "-" MINUS SIGN (2 & 3 1/2 DIGIT MODELS ONLY, CONNECT TO TS1-6 (DS2) TO TURN ON)
- TS2-4= LAMP TEST (CONNECT TO TS1-2 TO ENABLE)
- TS2-5= INTENSITY CONTROL (CONNECT TO TS1-1 FOR FULL INTENSITY OR THROUGH AN EXTERNAL 500 OHM POTENTIOMETER)
- TS2-6 NO CONNECTION (SPARE)

- TS1-1 +5VDC I/O (20mA MAX WHEN USED AS OUTPUT)
- TS1-2 5VDC RETURN. CONNECT TO TS2-2 FOR 12, 24 or 48 VDC POWER INPUT MODES.
- TS1-3 DIGIT SELECT LSD
- TS1-4 DIGIT SELECT 4
- TS1-5 DIGIT SELECT 3
- TS1-6 DIGIT SELECT 2
- TS1-7 DIGIT SELECT MSD
- TS1-8 BCD 8
- TS1-9 BCD 4
- TS1-10 BCD 2
- TS1-11 BCD 1
- TS1-12 DECIMAL POINT SELECT (CONNECT TO DESIRED DIGIT SELECT LINE)