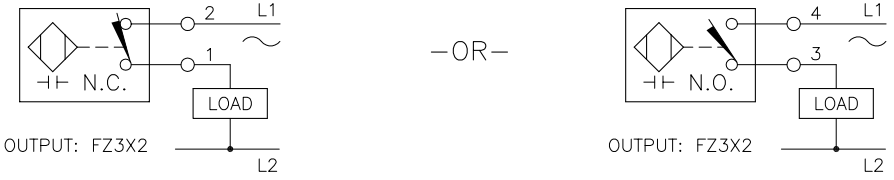
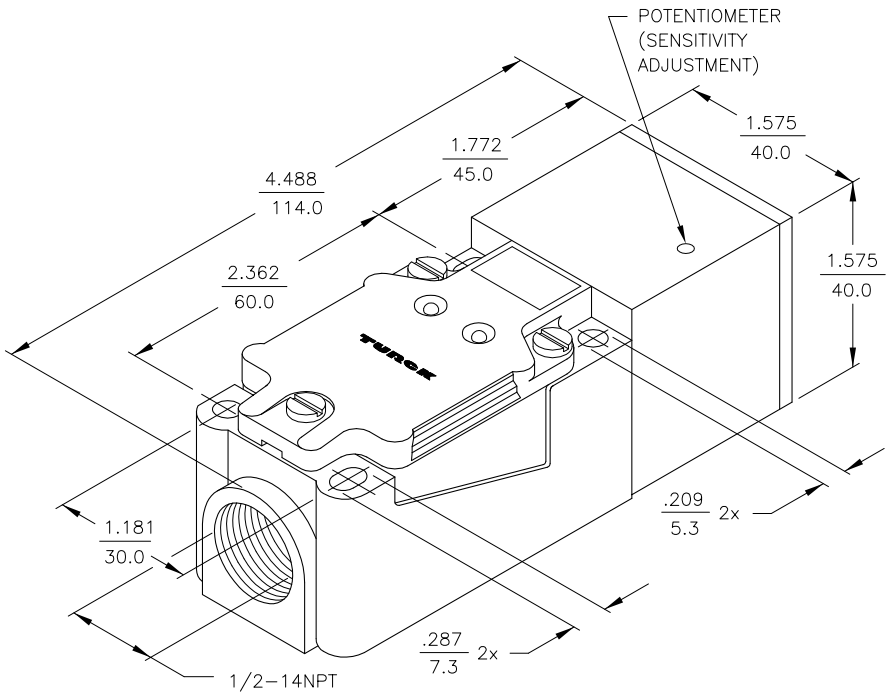
## WIRING DIAGRAMS




## SPECIFICATIONS

| | |
|---|---|
| OPERATING VOLTAGE | 20–250 VAC |
| LINE FREQUENCY | 40–60 Hz |
| DIFFERENTIAL TRAVEL (HYSTERESIS) | 2–20% (5% TYPICAL) |
| VOLTAGE DROP ACROSS CONDUCTING SENSOR | ≤7.0 V at 500 mA |
| OUTPUT FUNCTION | CONNECTION PROGRAMMABLE<br>NORMALLY OPEN OR NORMALLY CLOSED |
| SHORT–CIRCUIT PROTECTED | NO |
| CONTINUOUS LOAD CURRENT | ≤500 mA |
| OFF–STATE (LEAKAGE) CURRENT | ≤1.7 mA |
| MINIMUM LOAD CURRENT | ≥5.0 mA |
| INRUSH CURRENT | ≤8.0 A(≤10 ms/5 Hz) |
| TIME DELAY BEFORE AVAILABILITY | ≤60 ms |
| POWER–ON EFFECT PROTECTION | INCORPORATED |
| PROTECTION AGAINST TRANSIENTS | 5 kV, 10 ms, 10 kΩ |
| OPERATING TEMPERATURE | –25°C to +70°C (–13°F to +158°F) |
| ENCLOSURE | MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP67 |
| SHOCK | 30 g, 11 ms |
| VIBRATION | 55 Hz, 1 mm AMPLITUDE<br>(IN ALL 3 PLANES) |
| LED FUNCTION | GREEN: POWER ON<br>RED: OUTPUT ENERGIZED |
| SENSING RANGE | 20 mm = .787" (NOMINAL) |
| SWITCHING FREQUENCY | 20 Hz |
| REPEATABILITY | ≤2% of RATED OPERATING DISTANCE |




| REV | DESCRIPTION | BY | DATE | ECO NO. |
|---|---|---|---|---|
| C | UPDATE TO CURRENT TITLE BLOCK | RDS | 09/10/02 | 5504 |

RELATED DOCUMENTS
1.
2.
3.
4.

3RD ANGLE PROJECTION

THIS DRAWING IS PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED.

TURCK INC
High Technology Sensors and Automation Controls
3000 CAMPUS DRIVE
MINNEAPOLIS, MN 55441
1–800–544–7769
(763) 553–7300
(763) 553–0708 fax
turck.com

MATERIAL: PBT–GF30–VO PLASTIC

FINISH

ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY

CONTACT TURCK FOR MORE INFORMATION

DRFT: SMW | DATE: 3/26/87

DSGN | SCALE: NONE

UNIT OF MEASUREMENT
**INCH [ MILLIMETER ]**
DO NOT SCALE THIS DRAWING

DESCRIPTION: BC20–CP40–FZ3X2

IDENTIFICATION NO.: M2311500 | REV: C

FILE: M2311500 | SHEET 1 OF 1