

# MAXIG4RD<sup>™</sup>



### **ROTATION DETECTORS**

A4000: EXPLOSION PROOF ENCLOSURE

A4000B: NEMA 4 ENCLOSURE

A4000C: NEMA 4X FIBERGLASS ENCLOSURE

A4000NF: NEMA 3 PVC ENCLOSURE

PROVIDES RELAY OUTPUT TO PROTECT AGAINST SHAFT WINDMILLING

#### **FUNCTION:**

- Detect direction of shaft rotation.
- Confirm starting condition
- Detect Shaft windmilling
- Signal other equipment and/or P.C.'s of proper operation
- Control other equipment for sequential starting or stopping

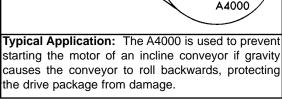
#### **ADVANTAGES:**

- Enclosure for all industrial environments
- 5 amp isolated relays
- LED light for quick set up
- Field adjustable
- Fail safe circuitry
- Complete system, no extras to buy

#### **APPLICATIONS:**

- Exhast fans
- Belt Conveyors
- Tug boat propellar rotation
- Bucket elevators
- Centrifugal fans
- Bi-directional
- Start protection
- Feedstock signal to programmable controlers





#### **EACH SWITCH INCLUDES AS STANDARD:**

# MAXIG4RD<sup>™</sup>

## A4000

### SPECIFICATIONS:

**POWER REQUIREMENTS:** 

115 VAC. 50/60 HZ

POWER CONSUMPTION:

6 VOLT AMPS

**ENVIRONMENTAL:** 

**TEMPERATURE INFLUENCE:** 

1% OVER 50°F

**OPERATING TEMPERATURE:** 

-40°F TO +185°F

**SENSING DISTANCE (GAP):** 

SENSOR TO DISC: .250"

SENSOR ORIENTATION: ±5°

PERPENDICULAR TO DISC OR OPTIONAL WRAP

STANDARD ROTATION DETECTION:

CLOCKWISE, FIELD CHANGEABLE

**FUNCTIONAL:** 

RELAY: (2) ISOLATED SPST, N.O./N.C. 5

AMP CONTACTS @ 115 VAC

CIRCUITRY: FAILSAFE, COATED P.C.

BOARDS, SOLID STATE, HEAVY DUTY INDUSTRIAL DESIGN, LED INDICATOR

**OPERATING RANGE:** 

1 RPM TO 10,000 RPM

ACCURACY: + 1%

REPEATABILITY: ±.5%

SENSING CABLE: 22 GAUGE, 4 WIRE

SHIELDED, "BELDEN" 8729 OR

EQUAL (MAXIMUM DISTANCE 1,000')

CONSTRUCTION:

MAGNET DISC: ANODIZED ALUMINUM

CERAMIC MAGNETS

MAGNET WRAP: (OPTIONAL)

MACHINED ALUMINUM, CERAMIC MAGNETS, WRAP IS BORED TO FIT

SHAFT DIAMETER

CIRCUITS: P.C. CIRCUIT BOARDS.

HEAVY DUTY INDUSTRIAL SOLID

STATE

**ENCLOSURES:** 

A4000: CLASS I, GROUP D, CLASS II

GROUP E, F, G, (THIS IS NOT

WATERPROOF)

A4000B: NEMA 4 STEEL ENCLOSURE

A4000C: NEMA 4X FIBERGLASS

A4000NF: NEMA 3 PVC HOUSING

SENSOR AND ELECTRICAL

**CONNECTIONS:** 

A4000 & A4000NF: INTERGRAL WITH

CIRCUITRY, SELF CONTAINED,

MAGNET DISC, MOUNTING BRACKET,

ANODIZED ALUMINUM, PIG TAIL

WIRES

A4000B: SENSING HEAD, MOUNTING

BRACKET AND MAGNET DISC.

ANODIZED ALUMINUM, TERMINAL

**BLOCK CONNECTIONS** 

A4000C: SENSING HEAD, MOUNTING

BRACKET AND MAGNET DISC, PVC

PLASTIC TERMINAL BLOCK

CONNECTIONS

**OPTIONS:** 

EXPLOSION-PROOF SENSORS AND

**ENCLOSURES** 

MAGNET WRAPS \*

• 6/12 VDC LOGIC PLUSE OUTPUT

12/24 VDC OPERATING POWER

**RELATED BULLETINS:** 

INSTALLATION AND OPERATING

INSTRUCTIONS:

A4000 & A4000NF: A199

- A4000B & A4000C: A198

PRICING: AP145-1

FULL LINE CATALOG: A129

ORDERING INFORMATION:

CALL OUT OPTIONS

SPEED RANGE

NORMAL SHAFT DIRECTION

MAGNET DISC OR WRAP

NOTE:

\* CONSULT FACTORY FOR WRAPS THAT WILL BE TURNING FASTER THAN 3000 RPM

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