



PROCESS SENSORS AND CONTROLS

BASIC 4 CONTROLLER

INTRODUCTION

The BASIC 4 SYSTEM is a versatile low cost control system that will allow the user to control many environmental industrial applications and avoid expensive time consuming process and machine breakdowns. The BASIC 4 SYSTEM can be used for process monitoring and control in Grain Storage and Feed Mills. It can also be used to monitor and control liquids in vats or tanks used for mixing operations.

OPERATION

The BASIC 4 accepts any “low voltage” N/C or N/O switch type of sensor and provides individual relay outputs with high voltage, high current contacts for each sensor.

APPLICATIONS

- **CONTROL TEMPERATURE**

Using the HS series Temperature Sensors with the BASIC 4 SYSTEM the user can perform the following:

- Turn fans **ON** and **OFF**.
- Alert specified Over and Under temperatures.
- Raise and Lower temperature curtains in poultry-live stock - swine operations.
- Detect extreme temperatures on motors, machinery and etc.

- **POSITION CONTROL**

Using the PS series Proximity Switches with the BASIC 4 SYSTEM the user can perform the following:

- Open / Close silo gates.
- Open / Close grain chutes.
- Determine position of equipment.

- **LIQUID LEVEL CONTROL**

Using the Tilt Seithc Level Controls with the BASIC 4 SYSTEM the user can perform the following:

- Detect specified HIGH or LOW liquid levels in vats and tanks.

- **TILT SWITCH CONTROL**

Using the TS series Tilt Switches with the BASIC 4 SYSTEM the user can perform the following:

- Determine commodity level.
- Detect overloading of conveyors.
- Detect blockage in spouting and etc.

SPECIFICATIONS

- 120VAC,1 Amp, 50/60HZ Supply voltage
- The BASIC 4 has individual relay outputs for each sensor input. Contacts are rated 3 AMPS @ 115VAC/50-60HZ.
- Door mounted status indicators for each input.
- NEMA 4X Fiberglass Enclosure
 - UL and CSA rated water tight.
 - Non-Metallic Stainless Steel hardware.
 - Mounting hardware for horizontal or vertical installations included.
 - Suited for corrosive environments, indoors and outdoors.
- CONTROLLED INPUT BOARD
 - Four (4) sensor input.
 - Status Indicator lights: Open/Closed for each sensor
 - Each input Sensor has a relay output for controlling processes.
- SENSORS
 - Can be used with any of the many N/C Sensors manufactured by MAXI-TRONIC or any N/C dry contact switch configuration.
 - NOTE: N/O systems available upon request.
- SENSOR VOLTAGE
 - Closed = no voltage
 - Open = 6 VDC
- SENSOR WIRING:
 - Any copper 18-22 AWG up to 1,000 Foot
 - 16-18 AWG up to 5,000 Foot
 - SENSOR WIRING MAY BE RUN IN CONDUIT WITH OTHER HIGH VOLTAGE.

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