



105 Bonnie Drive
Butler, PA 16002
724-283-4681
724-283-5939 (fax)
www.bwieagle.com

PRODUCT INFORMATION BULLETIN

SLIP SWITCH TESTER

PA Approved

MODEL 50-7200

PA BOTE APPROVAL: 1028-88

APPROVAL

PA - 1028-88

INSTALLATION

The unit is supplied with a 15-foot, 5 conductor AC/Control cable and a 15 foot, 2 conductor sensor cable.

1. Remove AC power from the Belt Starter.
2. Mount the unit in a convenient location at the Belt Starter.
3. Locate the motor control relay in the starter box. Install the white and black wires from the 5-conductor cable to the 120 VAC coil terminals on the relay. (see Figure 1)
4. Connect the green control wire to chassis ground in the starter.
5. Connect the orange and red wires directly across the Slip Switch control relay contacts. (see Figure 1)
6. Connect the black and white sensor cable wires in parallel with the existing sensor wiring from the Slip Switch. Be sure to observe polarity. (see Figure 1)
7. Reapply AC power to Belt Starter.

TESTING

NO AC power should be applied to the S.S.T. unless the belt is running. Once the belt is running, the "**POWER**" LED should be the only LED illuminated. If any other LED's are on, the reset button must be pushed before the test can be started.

Once the start button is pushed all LED's will illuminate and the "**Alarm Sonalert**" will sound for 1 second. During this time the internal circuitry of the S.S.T. is checked for proper operation.

Next, the "**START**" LED and the "**SENSOR**" LED will illuminate. The "**SENSOR**" LED will go out after approximately 2 seconds. If a jumper is detected in the system, it will be indicated at this point in the test. If no jumper is detected in the wiring, the S.S.T. will wait approximately 7 seconds for the control relay of the Slip Switch to re-energize. The "**TEST OK**" LED will then illuminate and the "**START**" LED will go out. The test is now complete.

To test again, the reset button must be pushed, then push the start button to initiate another test.



CONTROLS & INDICATORS

START LED - When illuminated, indicates that the test is in progress.

FAULT LED - When illuminated, indicates that a problem has been detected in the control wiring, or the S.S.T. unit.

SENSOR LED - Illuminates while the sensor of the Slip Switch is being disabled.

JUMPER LED - When illuminated, indicates that a jumper has been detected.

SLIP SWITCH LED - When illuminated, indicates that the belt has begun to slip during the test. The LED will stay illuminated for 5 seconds and then allow the Slip Switch to shut the belt down.

TEST OK LED - When illuminated, indicates that the test is completed and the Slip Switch is operating properly.

POWER LED - When illuminated, indicates that the belt is running and power is applied to the unit.

START PUSH BUTTON - A momentary push button used to initiate the test.

RESET PUSH BUTTON - A momentary push button used to reset the unit from any alarm conditions.

ALARM SONALERT - Gives an audible alarm when any condition other than "Test OK" is encountered during a test.

SLIP SWITCH TESTER

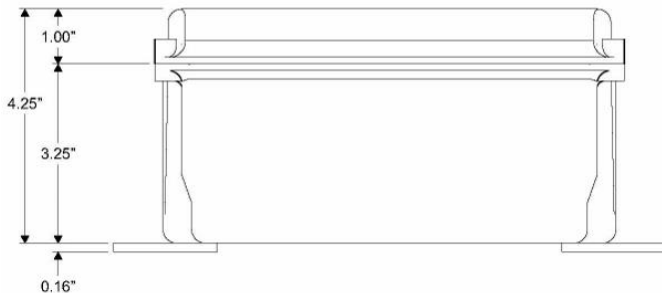
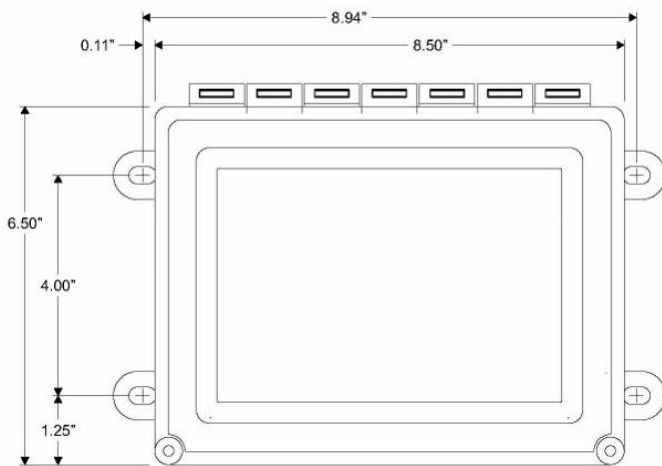
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MODEL 50-7200

SPECIFICATIONS

| | |
|-----------------------|--------------------------------|
| AC Input | 120 VAC 15W With Belt Running |
| Fuse Protected | 1 amp |
| Operating Temperature | -40°C to +60°C (-40° to 140°F) |
| Testing Current Range | 15mA to 550mA AC |
| Housing | NEMA 12 Standard |

DIMENSIONS



REPLACEMENT PARTS

| | |
|--------------------------------|---------|
| Main PC Board | 50-7201 |
| Display PC Board | 50-7202 |
| Computer Interface PC Board | 50-7203 |
| Control Cable - 15' | 50-7215 |
| Sensor Cable - 15' | 50-7204 |
| Sensor Cable - 2' w/Connectors | 50-7206 |

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TYPICAL BELT STARTER

50-7200 S.S.T. Installation

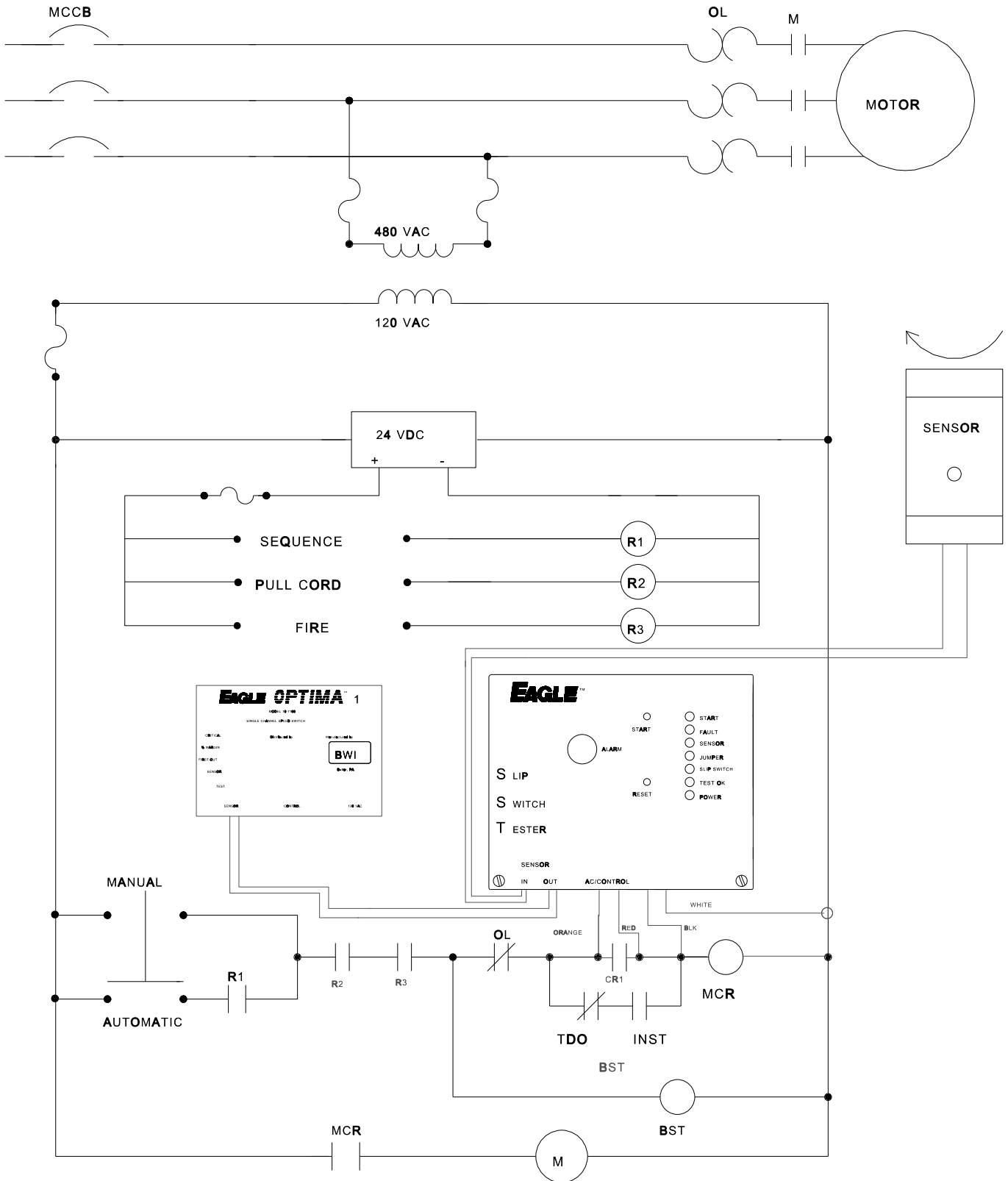


FIGURE 1