AMERICAN MINE RESEARCH, INC.

MODELS LS-3040
BELT SLIP/SEQUENCE AND CONTROL

INSTALLATION AND SETUP
INSTRUCTIONS

P/N 180-0553

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LS - 3040 " Little Speedy "

The Ls-3040 is a speed transducer with a digital AC/DC voltage (60-120) output.
It is most commonly used to monitor belt speeds in the range of 20-500 rpm.
The operating voltage is 60-120 volts AC or DC.

The LS-3040 is 4" in length and 1 3/8" in diameter with a 15' 2 conductor cable and Mounting bracket.

INSTALLATION

Step 1

Select a suitable mounting location for the module. This should be a non-drive roller to allow for slip indication. The tail roller is the preferred mounting point.

Step 2

Weld or otherwise attach a piece of 1/2" keystock or a large nut to the roller edge as shown in figure 1. In the case of a "wing" or self cleaning roller, mount the sensor to point at the wings.

Step 3

Using the clamp and bracket provided, position the module so that the pick-up-face is as close to the keystock/wing as possible without touching to prevent damage and wear. This distance should not exceed 1/2". Optimum distance is 1/4".

Step 4

Route the cable to the remote or PLC box.

Step 5

Connect the black wire to the Positive (DC applications) or Hot (AC applications) of the (60 to 120 volt) voltage.

Connect the white wire to the discrete PLC digital input channel.

Note: The LS-3040 is factory calibrated, therefore, field calibration is not required.

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Figure 1