120/240 VAC
50/60 HZ
1 Phase
(Customer Connection)

L

N

GND

Power Supply

L

N

24 VDC

+

-

24VDC

0V

Laser
Cable

Tight Loop
Interlock
(Customer Connection)

TL_NO

TL_COM

TL_NC

Tight Loop
Relay Contacts

Tight Loop
Relay Coil

24VDC

TL

0V

(BROWN)

(BLACK)

(BLUE)

+24VDC

Out 1
Discrete

GND

Laser Sensor
(LSR)

0V

REF+

REFA

(WHITE)

Out 2
0-10VDC/4-20mA

Use shielded cable to drive.
Tie shield ONLY at drive end to 0V.

To Drive
0-10 VDC
4-20 mA
Reference
(Customer Connection)

Techplex Labs

Part: Laser Coil Loop Sensor Stand Electrical

Desc: Our Laser Loop Control provides a drop-in replacement for most loop arm and ultrasonic loop controls. Stable loop control provides constant payoff rate to both uncoilers and straighteners.

By: Blake Bourque

Date: September 10, 2015