

# DIABLO DSP-6LP LOOP DETECTOR THALIA WIRING

## “Free” Exit Loop

**“OPEN ONLY” DEVICE**  
(RADIO RECEIVER, KEYPAD, ETC.)

POWER + -----	51
POWER - -----	50
RELAY COMMON -----	60
RELAY N.O. -----	62

**PROGRAMMING:** LOGIC > IC 2 = 002



## Safety Loop (Not Under Gate)

**PHOTOCELL SENSOR AND/OR LOOP  
DETECTOR WIRING** (CLOSING OBSTRUCTION)

POWER + -----	51
POWER - -----	50
RELAY COMMON -----	70
RELAY N.C. -----	72

**PROGRAMMING:** LOGIC > SAFE 1 = 004

**Power** - 10 to 30 Volts AC or DC. Approximately 1 mA (no car and all loop sizes) and less than 25 mA with a car on the loop.

**Size** - Height: 1.52" Width: 2.9" Depth: 1.56"

**Connector** - Removable 7-pin terminal block. Pin assignments are shown below - from left to right:

- 1 - Relay (NC) (opens for detect) 1amp max
- 2 - Relay Common
- 3 - Relay (NO) (closes for detect) 1amp max
- 4 - Power Common
- 5 - Power in (10 to 30 Volts AC or +DC)
- 6 - Loop
- 7 - Loop

## Shadow Loop (Under Gate)

**SHADOW LOOP SENSOR WIRING**  
(PREVENTS THE GATE FROM STARTING TO CLOSE)

**PROGRAMMING:** LOGIC > SAFE 2 = 004  
> AUX 3 = 006

POWER + -----	51
POWER - -----	50
RELAY COMMON -----	70
RELAY N.C. -----	74
	26
	27

INSTALL JUMPERS