

# Die Protection Sensor Interface

## Remote Die Box

Part Number	Description
53-450	Six (6) channel Remote Die Box Includes: Individual Channel Indicators Cable - 45' quick disconnect (12 conductor) minimizes wiring installation time Power Supply included to power sensors - 24VDC at 2.5 AMP

The six (6) channel remote die box allows you to quickly change out the die sensors by using either plug connectors or Banana jacks. Provides +24VDC power to active sensors and monitors the status (PNP or NPN).



### 45' of 16 Pin Circular Connection Cable:

Pin	Wire Color	Description
1	BRN	120VAC L input
2	N/C	
3	RED	Earth Ground
4	ORG	+24v out (from power supply)
5	YEL	+24v out (from power supply)
6	GRN	Die #6 output
7	Shield	Case Ground
8	N/C	
9	BLU	Die #5 output
10	VLT	Ground
11	GRY	Die #2 output
12	WHT	Die #1 output
13	BLK	Die #3 output
14	BK/WT	Die #4 output
15	RD/WT	120VAC N input
16	N/C	

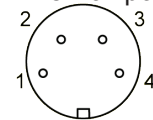
### Indicator LED's

- RED = PNP
- GREEN = NPN

Banana Jack: Passive GND sensors when used you must jumper Pin 1 to 3 on Lumberg receptacle (female) (i.e. NPN only)

### Active PNP or NPN Sensors

Pin	Description
1	Jumper to Pin 3 if NPN, to Pin 4 if PNP
2	Sensor Output (NPN or PNP)
3	+24VDC from Die Box power supply
4	Ground from Die Box power supply



Shown view from solder end of Plug

**Enclosure:** NEMA 12, 13, IP54 painted steel (blue)

**Enclosure Dimensions:** 8" (203mm) Height  
6" (152mm) Wide  
3.5" (89mm) Deep