

DATA SHEET

- ❖ 25 beams.
- ❖ 140 mm active area.
- ❖ Fast acting 6ms response time.
- ❖ Relay output.
- ❖ Small sized PCB.
- ❖ Wide range of input voltages.

Description

The VEND A6 is a fast acting light curtain for vending machines that was designed to detect product drop in vending machines in order to give proof of vend. Detection principle is by IR light.

The light curtain consists of 25 infrared beams presented over an active area of 140 mm.

The VEND A6 operates on 12VDC - 35VDC or 10VAC - 24VAC.

Output relay is active when the unit is powered and beams are not obstructed, it deactivates when one of the beams is obstructed.

Specifications

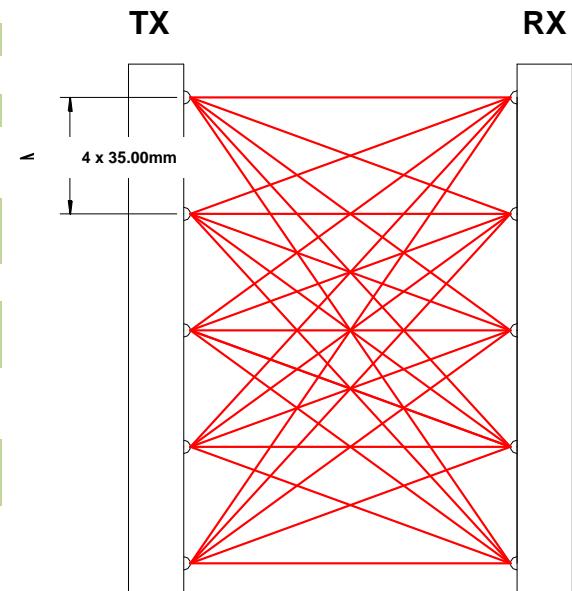
1.	Supply power	12VDC to 35VDC or 10VAC to 24VAC
2.	Current consumption	20mA (beam(s) not obstructed) 10mA (beam(s) obstructed)
3.	Range	1000mm. Max., 200mm Min
4.	Active area	140mm
5.	No. of beams	25
6.	Min. detectable object size	25x25x25mm , at no less than 50 mm from sensor
7.	Output relay	One changeover 1A @30VDC Max. 500,000 operations.
8.	Temperature	0°C...40°C
9.	PCB dimensions	L = 155mm, H = 27mm, D = 9mm
10.	Response time	6ms Max. (The relay is activated for 150ms after each detection).
11.	Power cable length	1.05m
12.	Signal cable length	1.5m, flat cable, interconnecting RX and TX.

VENDA PCB



Venda 6

VENDA Beam Pattern



Wire Assignment

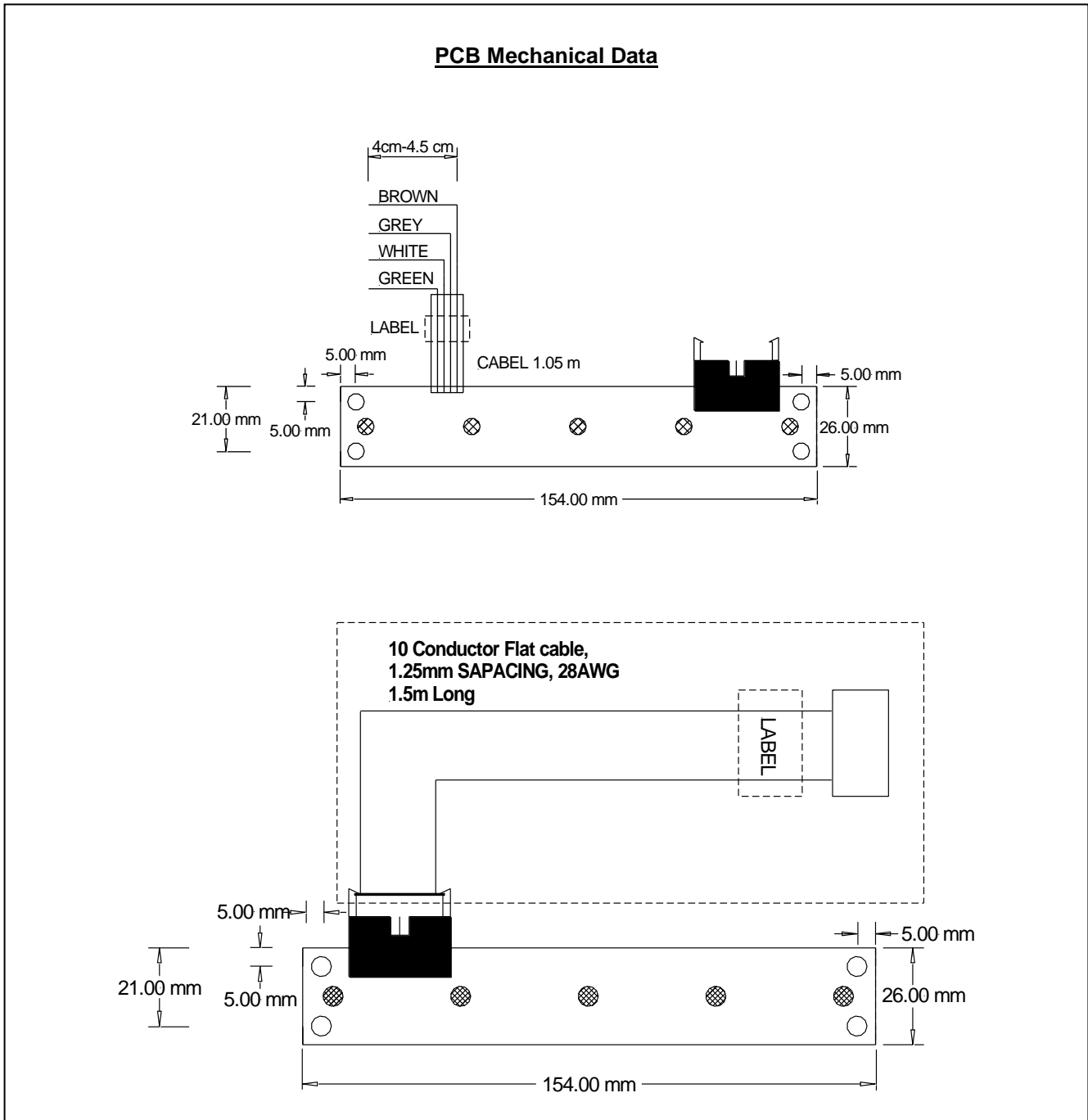
Green - Power supply (any polarity).

Brown - Power supply (any polarity).

Grey - Relay output common (C).

Yellow - Relay output normally closed (N.C.).

White - Relay output normally open (N.O.).



TAL Engineering Ltd. reserves the right to change specifications without notice.

Taleng en SAR VENDA6 DS V1.01

