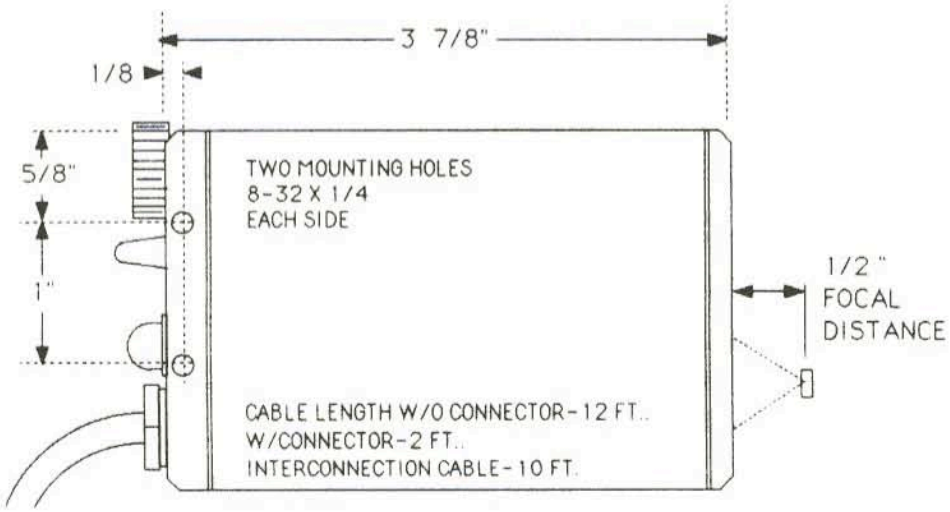
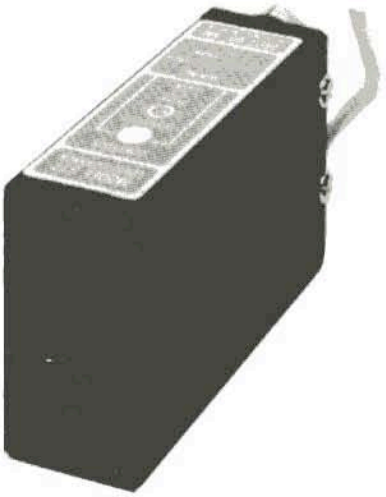
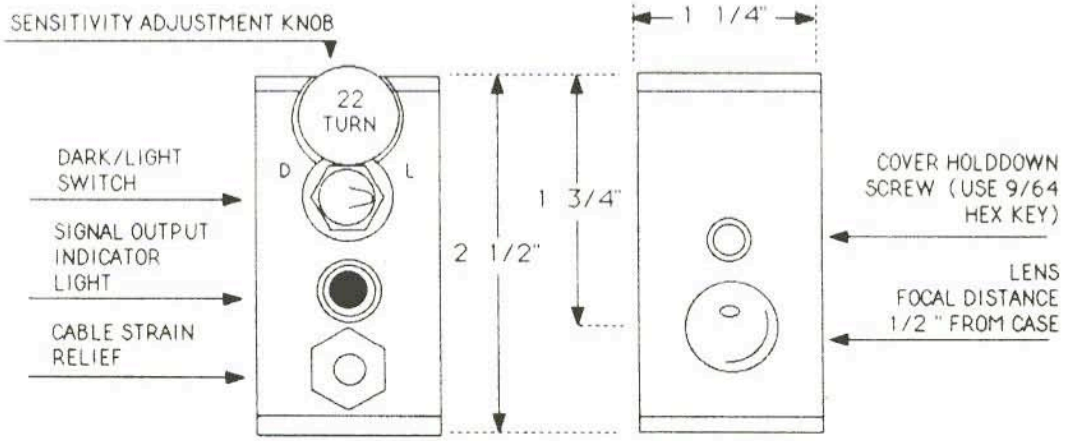
DEITZ COMPANY INC.

MODEL 377 LOGIC OUTPUT SCANNER FOR COLOR MARK WEB REGISTRATION

Manufacturer of Packaging System Controls and Machinery

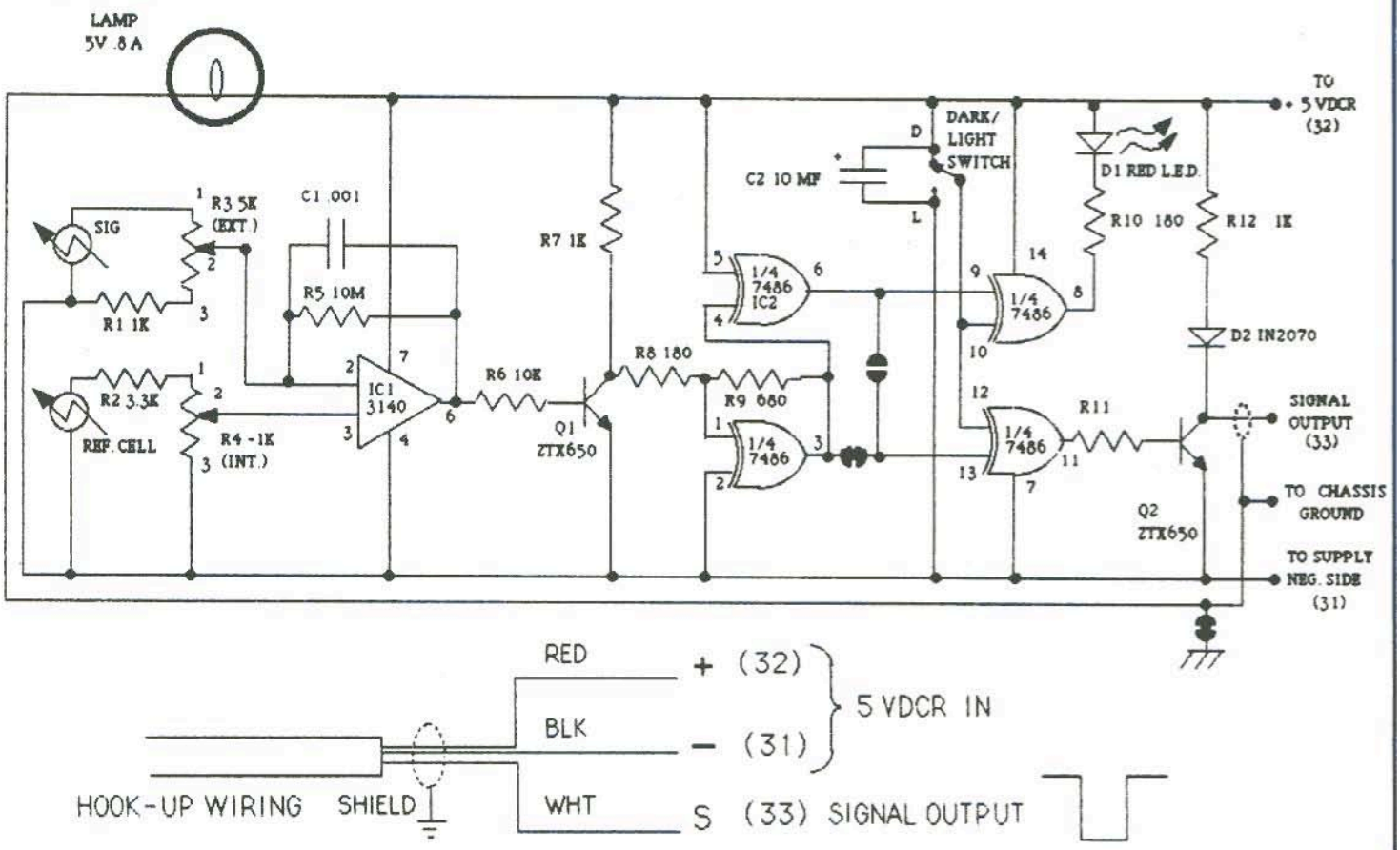


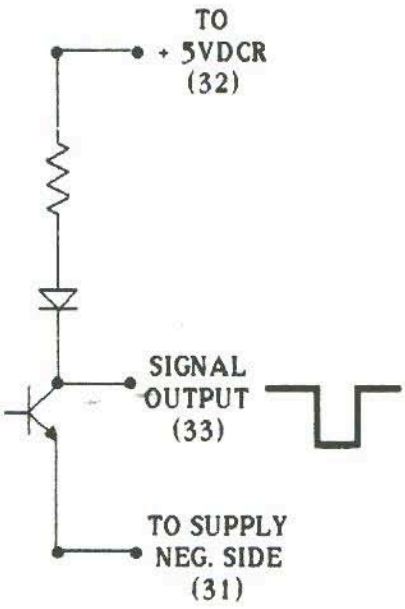




The **Model 377** scanner is a highly sophisticated, color registration mark detector which supplies an open-collector (logic) output upon detection of contrasting colored marks. It was specifically designed to detect small, fast moving printed registration marks, of any color contrasting with the background, for the packaging and printing industries. Complex optics coaxially project a precisely focused lamp image on the web surface and return the reflected image to a selenium sensor. Dual sensors establish a balanced detection circuit that detects a change in light level or color reflecting from the scanned surface. Changes in lamp intensity due to voltage fluctuations or darkening of the lamp surface are rejected.

All adjustments and indications necessary to maximize scanner performance are located on the rear of the unit; the light-dark switch, sensitivity adjustment, and output indication light. The scanner housing is a rugged, waterproof, machined aluminum enclosure. The lamp has a designed life of 10,000 hours and is easily replaced. This scanner is servicable. We have not used any unidentifiable or epoxy encapsulated circuitry.





OUTPUT STAGE-

May be treated as an open collector output
(transistor to ground)
or as a logic level output
(logic level high to logic level low)

SPECIFICATIONS-

Supply Voltage	4.5-5.5 VDCR
Supply Ripple	1 V P/P (Max)
Supply Current	0.9 A
Saturation Voltage	0.5 V at Ic = 1A
Max. Load Current	2A
Max. Load Voltage	40 VDC

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