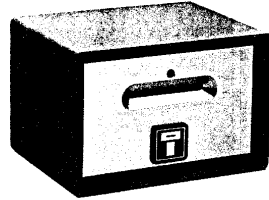


## HARDWARE INSTALLATION INSTRUCTIONS

# Model 4100-B Differential Optics Reader

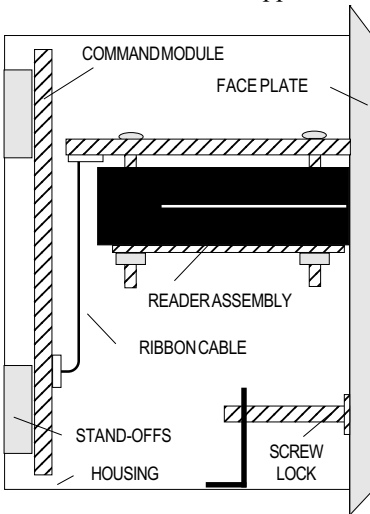
The Differential Optics Reader is designed to fit by itself in any small housing, or together with the Remote Command Module in a large housing. On most housings, the key is located under the recessed aluminum logo lock cover.



The Differential Optics reader may be placed up to 20' from the Command Module board. A pin to pin cable is necessary. The read head receives its power from the Command Module.

when the reader is ordered with a large housing. When not, the Command Module is supplied with an aluminum housing measuring 7" x 9" x 2".

A short ribbon cable is supplied



For flush mount exterior applications, it is necessary to insure that the face plate is sealed tight to the wall surface. Use silicone along the top and sides on the inside of the face plate before securing to the wall surface. Be sure to repeat this procedure if the face plate is later removed and replaced.

The Differential Optics read head is factory calibrated and needs no further field adjustments, however annual cleaning and calibration is suggested. Calibration instructions are printed on the calibration card.

### CABLE PIN ASSIGNMENTS

PIN 4 END OF CARD

PIN 5 SYSTEM CODE

PIN 6 MEMORY CODE

PIN 7 CLOCK PULSE

PIN 8 LED

PIN 10 CARD SENSE

PIN 11 V3

PINS 12,13, 16-19 +5VDC

PINS 20-23 GROUND

### COMMAND MODULE TO READER CABLE

