

TWO DURABLE MAGNETIC STRIPE READERS FOR INDOOR AND OUTDOOR APPLICATIONS

PCSC



PCSC's BR Series external magnetic stripe card readers are available in black, gray and chrome finishes. They are housed in a rugged die cast metal enclosure. The units have front fixing and are designed for both external and internal applications.

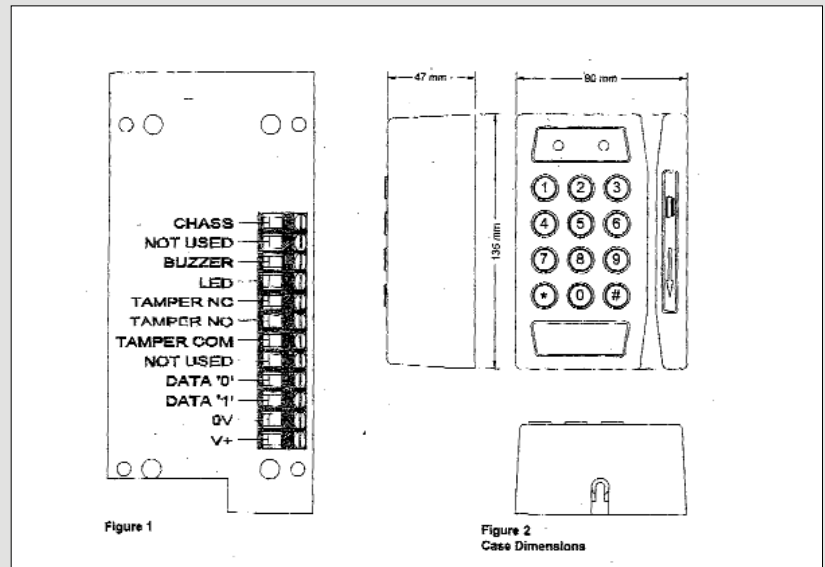
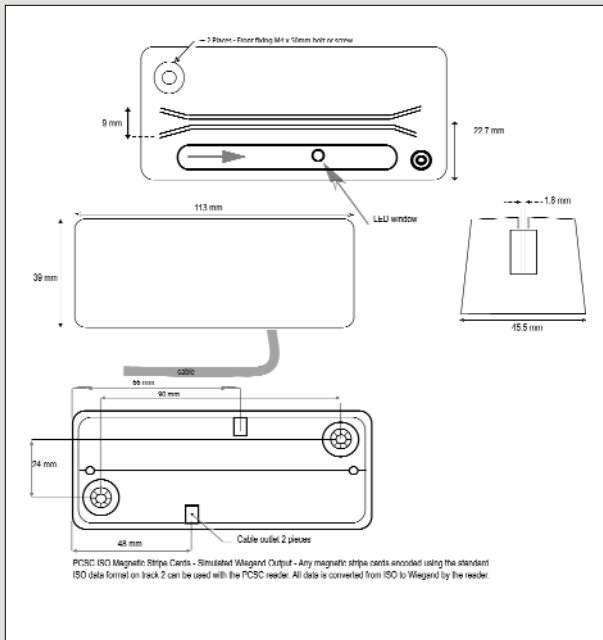
The BR480 reader features magnetic stripe card readability; the BRP480 reader includes a PIN pad for added security.

The BRP-480 intelligent keypad reader is designed for use in high volume traffic areas and harsh environments. A 3x4" stainless steel keypad with telephone-style layout matches the high quality and readability of the card reader. The unit's enclosure is fixed with a back plate with multi-point fixing and multi-point cable entry.

Both readers are configured to read ISO (Track 2) of a magnetic stripe card, and to output data in a simulated Wiegand format. They incorporate state-of-the-art heated magneto-resistive read heads, LED indication, and fully encapsulated electronics, allowing operations in harsh, high-volume and heavy traffic environments.

Mounting screws and hardware are provided.

SPECIFICATIONS & DRAWINGS



BR-480 SPECIFICATIONS

Supply voltage (V_S)	5 - 12VDC
Total supply current	40 - 50 mA (outputs disconnected)
Card speed	40 - 1500 mm/s
Output signal levels	Transistor Open Collector
Operating Temperature	-30°C to +55° C
Read head	Magneto-resistive (heated)
Read head life	> 10 ⁶ swipes (or 1 year)
Housing	5,000 series die cast
Electronic	CMOS - Encapsulated

Wiring Connections

Red	V_S
Black	0V
Blue	Card present
Brown	Data '0' output
Yellow	Data '1' output
Orange	LED Control
	Logic high LED = Red
	Logic low LED = Green
Pink	Buzzer +5 to 12V
Green	Buzzer 0V
Shield	Bonded to cover

BRP-480 SPECIFICATIONS

Operating Temperature Range	-10°C to +55°C
Non-Operating	-40°C to +70°C
Rain and Dust	IP54
Operating Humidity Range	5% - 95% condensing (EN50081-1)
Emission	(EN50082-1)
Immunity	(EN50082-1)
Dimensions	137mm x 90mm x 47mm 5.39" x 3.54" x 1.85"
Weight	1.1 KG (2.42 lb.)
Input Voltage Range (DC)	6V to 18V (12V nominal)
Input Current	45mA nominal
Input Control Levels	TTL compatible, protected
Input Control Lines	LED Buzzer
Signal Outputs	Wiegand Data 0 (Darlington Transistor Open Collector) Wiegand Data 1 (Darlington Transistor Open Collector)
Keypad Interface	3x4 phone keypad with 0 - 9, * and # Vandal-resistant structure
LED Indication	Bi-color Single red LED Single green LED