Essex Electronics

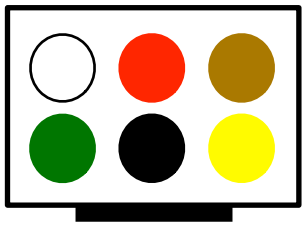
1-800-Keyless www.keyless.com

Turnstile Readers, OSDP Output

Part Number(s): IRXPT-OXO, IRXPT-OMXO
Output: RS-485 Hardware protocol, OSDP format
Voltage: 12 VDC +/-10%, 250mA, Max, or 5 VDC +/-10%, 250mA
Temperature: -30º C to +70º C (-30º F to +160º F)
The OSDP interface is through a Cypress Systems Module, & so complete documentation may be found for that system, with the following caveats;
"White" LEDs arranged in an "X" are controlled by the "Red" OSDP LED commands.
"Green" LEDs arranged in an "O" are controlled by the "Green" OSDP LED commands.
"Red" LED is controlled by the "Amber" OSDP LED commands, but will turn on with the "White" LEDs.
It is suggested that the default "White" LEDs are left on, as a target for presentation of the RFID Cards, which will then toggle to "Green" for a half second. Use the "Red" LED as an indication that the reader is not available. Use the "Green" LED as an indication that the attached gate is open.

Reader Wiring:

Red	+12V DC
Black	12V DC Ground
White	RS-485 B
Green	RS-485 A
Brown	Not used, do not connect
Yellow	Not used, do not connect



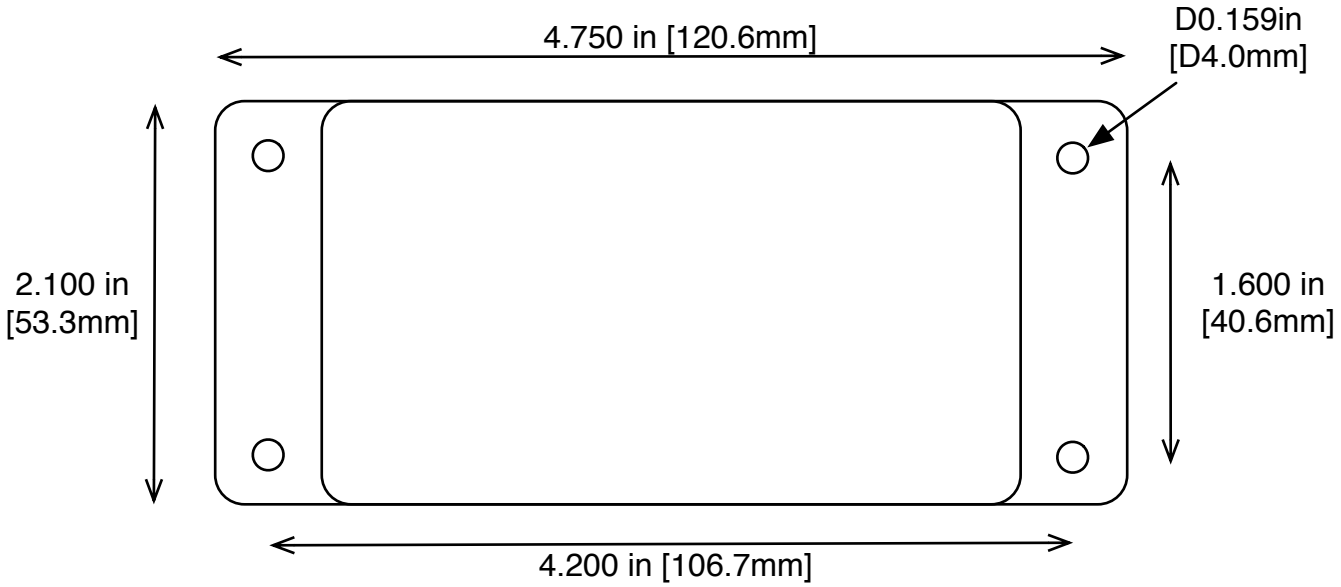
CAUTION: Do NOT run this low voltage wiring in conduit with or adjacent to line voltage wiring.

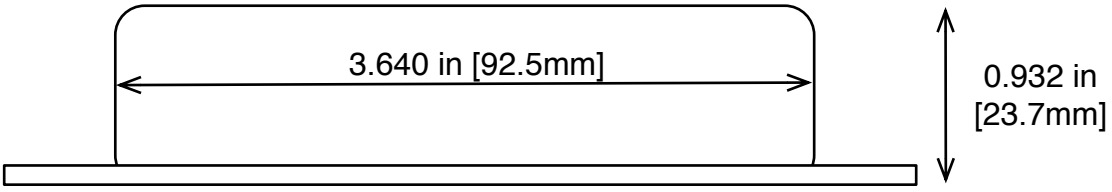
The following card formats are supported;
iClass
iClass SE/SR
iClass Seos
Mifare Classic 1K/4K & SE
Mifare Desfire

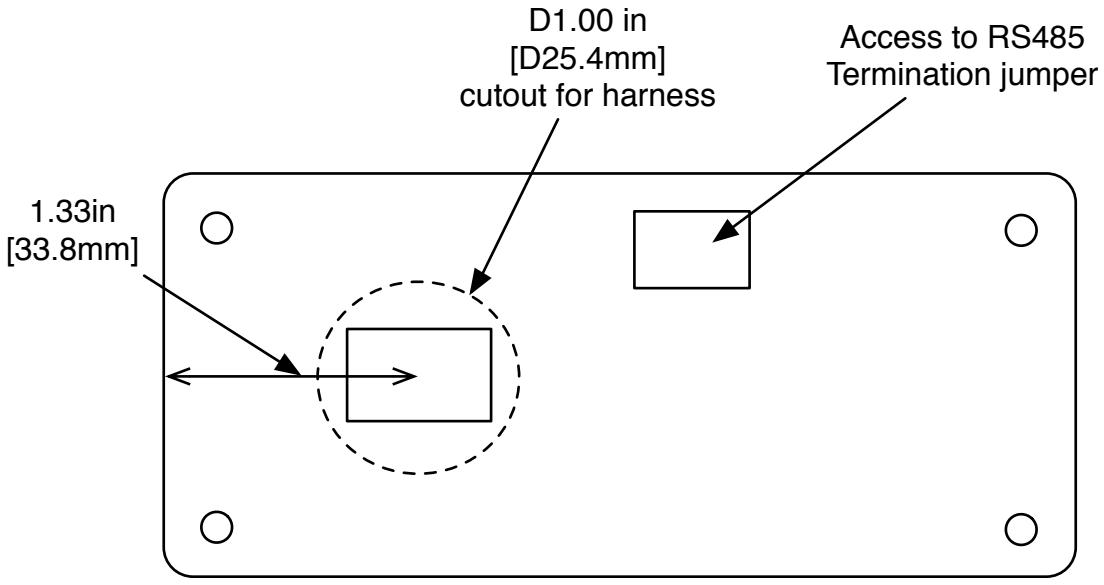
Plus a number of other formats, contact Essex Electronics for details

The following Prox technologies are supported;
HID Prox
Indala Prox
EM4100
EM4102
EM4200
EM4305
EM4450
FDX-B
T5557
T5567
AWID Prox

If the reader is equipped with HID Global mobile access, it is suggested that the installer review HID Global documentation, located here; https://www.hidglobal.com/solutions/hid-mobile-access-solutions or downloaded here; https://www.hidglobal.com/doclib/files/resource_files/plt-02078_a.1.01_mobile_access_solution_overview.pdf for the installation of the mobile access keys. Such keys are purchased through HID Global.
WARNING: Do not use HID Global reader manager to install the mobile access or other keys, the reader manager is not compatible with the reader technology that is used in these readers.


4.750 in [120.6mm]
D0.159in
[D4.0mm]
2.100 in
[53.3mm]
1.600 in
[40.6mm]
4.200 in [106.7mm]


3.640 in [92.5mm]
0.932 in
[23.7mm]


D1.00 in
[D25.4mm]
cutout for harness
Access to RS485
Termination jumper
1.33in
[33.8mm]