

Receiver or relocate the receiving antenna increases the separation between the equipment and receiver Connect the equipment into an outlet on a croud different from that to which the receiver is comedate Cochault the deletion ran experienced realorff. Vehicles for help

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PCC.
This device may be well to 41 to 47 to 72 Rules. Operation is audied to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference included interference that may cause undested operation.

Proceed has passed all relevant requirements for application of C Trok.

eader has passed all relevant tests and obtained CE approval.

Regulatory Information

P rating	99dl
Colour	Charcoal or Ivory
anot aldibuA	Internal and external buzzer control
Status LED's	Green/Red controlled by access controller
Reader dimensions (Facia)	F1: 90 x 90 x 3mm, F2: 114 x 74 x 3mm,
Relative humidity	90% max, operating non-condensing
Operating temperature	Jgəbdð+ of Jgəb0f-
0.33mm² cable	xem mozs
Cable distances 0.22mm cable	xsm m001
Read range	30 - 50mm
Activated	(at 12Vdc)
Current Consumption (+/- 5%) Normal	(at 12Vdc)
Power requirements	+2 to +12Vdc
Reader Output	Wiegand, RS485 Encrypted (model dependant)

Сиеск	Possible Cause	eymprom 5
Check power supply to the reader	No power to the reader	LED is not lit
Check power supply to the reader	Woltage to the reader is below minimm	LED is orange/indeterminate wor buzzer sounds low
Check reader with another valid smart card; if problem persists check wiring	Invalid card or card is faulty or wiring to the controller is faulty	Reader doesn't respond

check the following:

Troubleshooting
If the reader doesn't respond when a valid smart card is presented,

- Power up reader.
- Check that the reader is level before tightening screws.
 - Insert and hand tighten the screws.
- Place the reader on the wall or back box, make sure wires are not crushed.
- Mote magnet location for position of tamper reed switch (refer overleaf).
- If necessary, drill holes for the mounting screws in the wall on which the reader will be placed. Use template provided. Alternately a back box can be used.

Mounting

Mount the reader on a single gang box or suitable surface. Make sure the wire bundle to the reader has an IP rating of at least IP65.

External Use

Cable Colours

red +5 to +12Vdc
black ground
yellow buzzer
orange/white red led
green led
white W1
pink RS485A
pink RS485A

- (RS485 if required).

 Connect the +Vdc last.
- (GND) Wire.

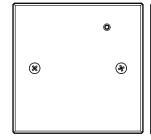
 Connect the W0, W1, LED and Buzzer
- Connect the VV reference and VV (if provided in the power supply) to the ground
 - to the control panel.

 Connect the DV reference and DV (if
- Connect the wiring as indicated in the table

Wiring

Handling
Handle the reader with care. Do not drop or damage before installation.

INS GLOBAL Access Control





F1 F2

Warranty

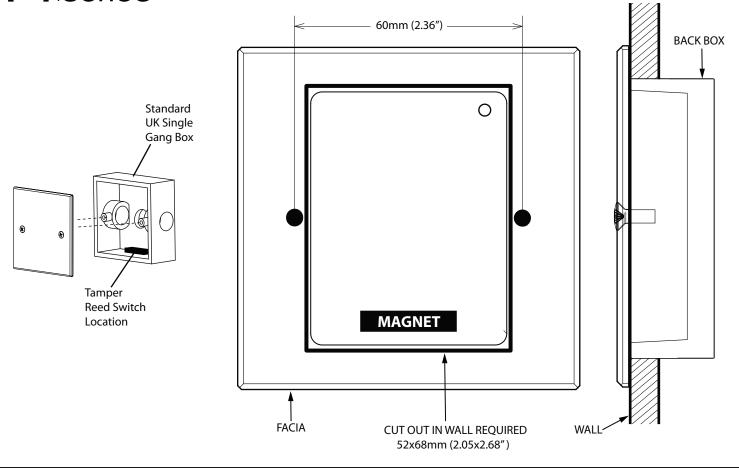
Each reader comes with a 3 year warranty from the date of dispatch. The warranty is void if the instructions contained within this document have not been adhered to.

INS Global Pty Ltd

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F1 series



F2 series

