

System Location	Fob Number	System Location	Fob Number	System Location	Fob Number	System Location	Fob Number	System Location	Fob Number	System Location	Fob Number	System Location	Fob Number	System Location	Fob Number	System Location	Fob Number	
001		051		101		151		201		251		301		351		401		451
002		052		102		152		202		252		302		352		402		452
003		053		103		153		203		253		303		353		403		453
004		054		104		154		204		254		304		354		404		454
005		055		105		155		205		255		305		355		405		455
006		056		106		156		206		256		306		356		406		456
007		057		107		157		207		257		307		357		407		457
008		058		108		158		208		258		308		358		408		458
009		059		109		159		209		259		309		359		409		459
010		060		110		160		210		260		310		360		410		460
011		061		111		161		211		261		311		361		411		461
012		062		112		162		212		262		312		361		412		462
013		063		113		163		213		263		313		363		413		463
014		064		114		164		214		264		314		364		414		464
015		065		115		165		215		265		315		365		415		465
016		066		116		166		216		266		316		366		416		466
017		067		117		167		217		267		317		367		417		467
018		068		118		168		218		268		318		368		418		468
019		069		119		169		219		269		319		369		419		469
020		070		120		170		220		270		320		370		420		470
021		071		121		171		221		271		321		371		421		471
022		072		122		172		222		272		322		372		422		472
023		073		123		173		223		273		323		373		423		473
024		074		124		174		224		274		324		374		424		474
025		075		125		175		225		275		325		375		425		475
026		076		126		176		226		276		326		376		426		476
027		077		127		177		227		277		327		377		427		477
028		078		128		178		228		278		328		378		428		478
029		079		129		179		229		279		329		379		429		479
030		080		130		180		230		280		330		380		430		480
031		081		131		181		231		281		331		381		431		481
032		082		132		182		232		282		332		382		432		482
033		083		133		183		233		283		333		383		433		483
034		084		134		184		234		284		334		384		434		484
035		085		135		185		235		285		335		385		435		485
036		086		136		186		236		286		336		386		436		486
037		087		137		187		237		287		337		387		437		487
038		088		138		188		238		288		338		388		438		488
039		089		139		189		239		289		339		389		439		489
040		090		140		190		240		290		340		390		440		490
041		091		141		191		241		291		341		391		441		491
042		092		142		192		242		292		342		392		442		492
043		093		143		193		243		293		343		393		443		493
044		094		144		194		244		294		344		394		444		494
045		095		145		195		245		295		345		395		445		495
046		096		146		196		246		296		346		396		446		496
047		097		147		197		247		297		347		397		447		497
048		098		148		198		248		290		348		398		448		498
049		099		149		199		249		299		349		399		449		499
050		100		150		200		250		300		350		400		450		



**Bticino UK**

Great King Street North, Birmingham, B19 2LF

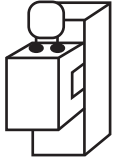
**Customer Services** : Tel : 0845 605 4333 Fax : 0845 605 4334

**Technical** : Tel : 0870 608 9022 Fax : 0870 608 9023

**E-mail** : bticino.uk@legrand.co.uk **Website** : www.bticino.co.uk

PART No. 821080

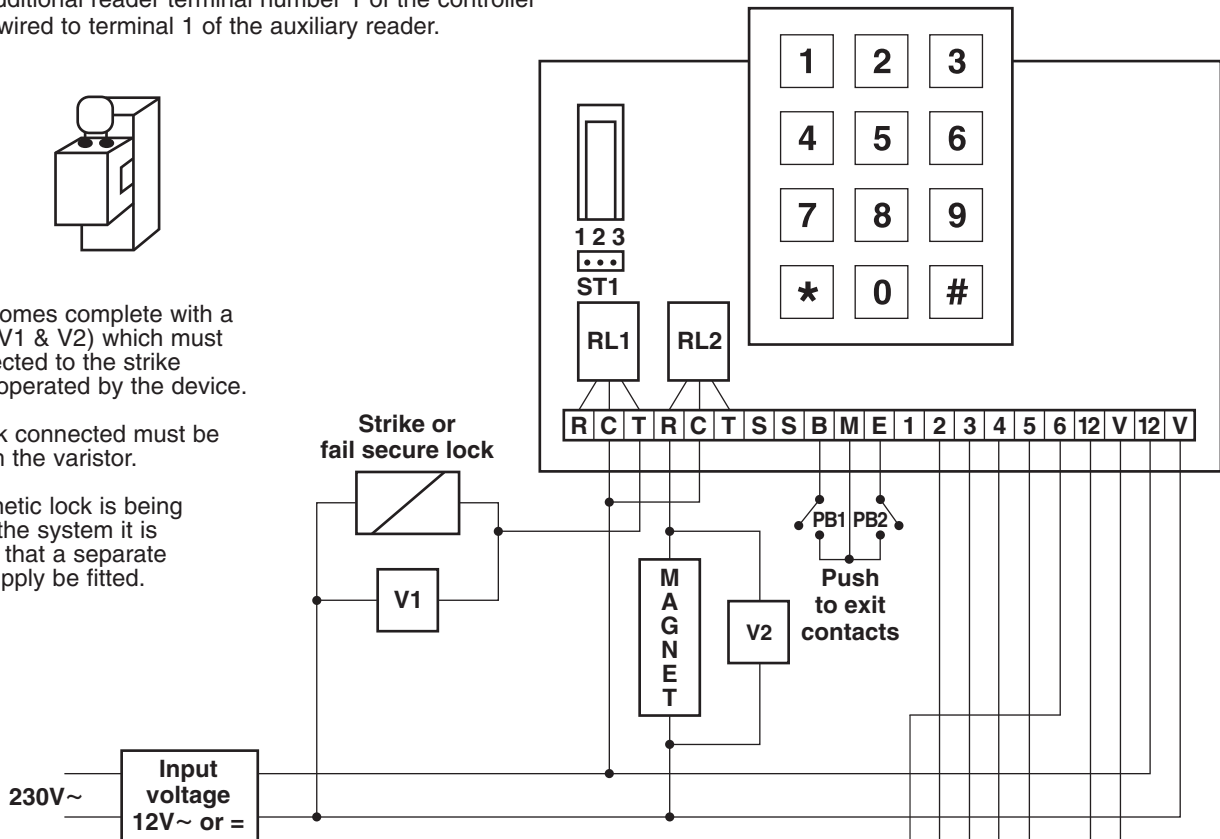
For an additional reader terminal number 1 of the controller must be wired to terminal 1 of the auxiliary reader.



This kit comes complete with a varistor (V1 & V2) which must be connected to the strike terminal operated by the device.

Each lock connected must be fitted with the varistor.

If a magnetic lock is being used on the system it is essential that a separate power supply be fitted.

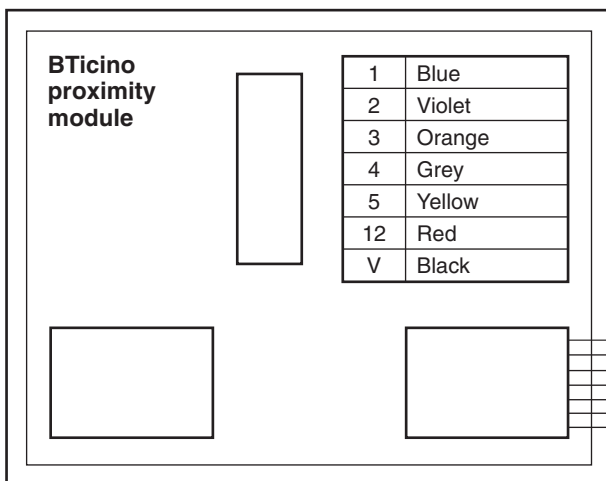


B	Push button 1 (PB1)
E	Push button 2 (PB2)
M	Common PB1 & PB2
R	N/C contact
C	Common
T	N/O contact
V1	Varistor RL1
V2	Varistor RL2
ST1	Reset jumper
S	Tamper switch
S	Tamper switch
RL1	Door 1 relay output
RL2	Door 2 relay output

12	Input voltage
V	Input voltage
1	Data
2	Buzzer
3	Green LED
4	Common
5	Red LED

Note : 1 (Blue) should be wired into terminal 6 to operate relay 1 (singular reader), or into terminal 1 to operate relay 2 (additional reader)

**Maximum distance 50M**



## Technical features

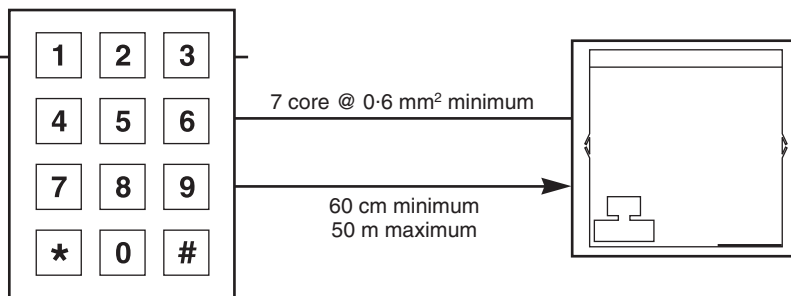
### ARD12 power supply

- Power supply has 1.5 A peak @ 12 V regulated
- Filtered and protected by;
  - 0.315 A primary fuse
  - 1.6 A secondary fuse
- Output 12 V ~ 500 mA maximum
- Output 12 V DC at 1 A
- PVC casing
- Din rail mounting (8 module)
- Operating temperature 0°C to 125°C
- Protection against overheating and overload.

### Digicode controller

Supply voltage	12 V AC or 12 V DC
Relay output	2 relays – N/O and N/C contacts rated 3 A at 125 V
Anti-tamper contacts	500 µA at 50 V AC or 50 V DC
System limits	500 programmable fobs
Relay control	2 request to exit contacts
Keypad	12 digit keypad with built in buzzer

### System limits



### Factory settings

Master code	12345
Relay time delay	1 second
Keypad time out	10 seconds

### Audible signals

1 beep (long)	Validation of data in Programming mode	Proximity badge Time delay Master code
2 beeps (short)		Access to programming mode Exiting the programming mode
4 beeps (short)		Fob not programmed Incorrect master code inserted Time delay entered

### Visual signals

LED colour	Normal mode	Programming mode
Green	Door relay activated	Fob location empty
Red	Alarm relay activated	Fob location used
Orange	N/A	Programming mode
Orange (flashing)	Stand by	Data handling error

Request to exit

The two request to exit push buttons PB1 and PB2 operate relay's RL1 and RL2.  
The LED changes to green when the relay is activated by on of the push buttons.

## Changing the master code

1. Enter the factory set master code (12345) twice, 2 audible beeps and the orange LED lights continuously to confirm entry into the programming mode.
2. Enter \*3 and then enter the new 5 digit master code. The LED goes off for 1 second and a single audible beep indicates the new master code has been accepted.
3. Press # to exit the programming mode. 2 beeps confirms exit from the programming mode.

## Setting the lock time delays

### Door relay 1

1. Enter the factory set master code (12345) twice, 2 audible beeps and the orange LED lights continuously to confirm entry into the programming mode.
2. Enter \*1.
3. Enter time delay required from 01 to 99 seconds.
4. Note: entering 00 will provide a latched status (i.e. first read latch on second read latch off).
5. LED goes off for 1 second and an audible beep indicates changed time delay.
6. Press # to exit the programming mode. 2 beeps confirms exit from the programming mode.

### Door relay 2

1. Enter the factory set master code (12345) twice, 2 audible beeps and the orange LED lights continuously to confirm entry into the programming mode.
2. Enter \*2.
3. Enter time delay required from 01 to 99 seconds.
4. Note: entering 00 will provide a latched status (i.e. first read latch on second read latch off).
5. LED goes off for 1 second and an audible beep indicates changed time delay.
6. Press # to exit the programming mode. 2 beeps confirms exit from the programming mode.

### 4 beeps indicates a data communication error

## Setting new proximity fobs

1. Enter the factory set master code (12345) twice, 2 audible beeps and the orange LED lights continuously to confirm entry into the programming mode.
2. Enter \*4 then 01 (reader/relay 1), 02 (reader/relay 2) or 03 (both readers/relays independently).  
Note: if reader number is not entered then both readers will be programmed simultaneously.
3. Enter fob position number to be programmed (i.e. 000 – 499).
4. The LED goes off for 1 second and a single audible beep indicates fob position accepted.
5. Green LED will light continuously.
6. Present the fob in front of the main reader.
7. The LED goes off for 1 second and the orange LED lights continuously.
8. Orange LED lit continuously indicates fob accepted.
9. To add further fobs repeat from step 2.
10. Press # to exit the programming mode. 2 beeps confirms exit from the programming mode.

If Red LED is lit the fob position has already been programmed

1. Remove the old fob location (see instructions on removing fobs).
2. Move to a new fob location (see instructions on setting new fobs).

## Removing and replacing fobs

### Removing

1. Enter the factory set master code (12345) twice, 2 audible beeps and the orange LED lights continuously to confirm entry into the programming mode.
2. Enter fob position number to be programmed (i.e. 000 – 499).
3. The LED goes off for 1 second and a single audible beep.
4. The Red LED is lit indicating the fob position has already been programmed.
5. Press star key twice (\*\*).
6. The LED changes from red to green.
7. Press # to exit the programming mode. 2 beeps confirms exit from the programming mode.

### Or replacing

After instruction 6 :

1. Present the new fob in front of the main reader.
2. The LED changes from green continuously to orange continuously.
3. Press # to exit the programming mode. 2 beeps confirms exit from the programming mode.

## Reset the master code and fobs

### Master code

1. Put the ST jumper into position 2 – 3.
2. The green LED flashes for 5 seconds.
3. An audible beep will confirm the master code has been reset to the default setting of 12345.
4. The red LED will flash to indicate the default has been restored.
5. IMMEDIATELY Remove the jumper from position 2 – 3.
6. After which the unit will return to stand-by mode (flashing orange LED).

### Or fobs

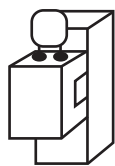
1. Put the ST jumper into position 2 – 3.
2. The green LED flashes for 5 seconds.
3. An audible beep will confirm the master code has been reset to the default setting of 12345.
4. The red LED will flash to indicate the default has been restored.
5. Continue to hold jumper in place until red LED changed to continuously.
6. Remove the jumper from position 2 – 3.
7. Red LED will remain lit for 3 seconds after which the unit will return to stand-by mode (flashing orange LED).

## Relay outputs

The main unit and the auxiliary reader 1 operates relay 1 and auxiliary reader 2 operates relay 2..

## Additional reader

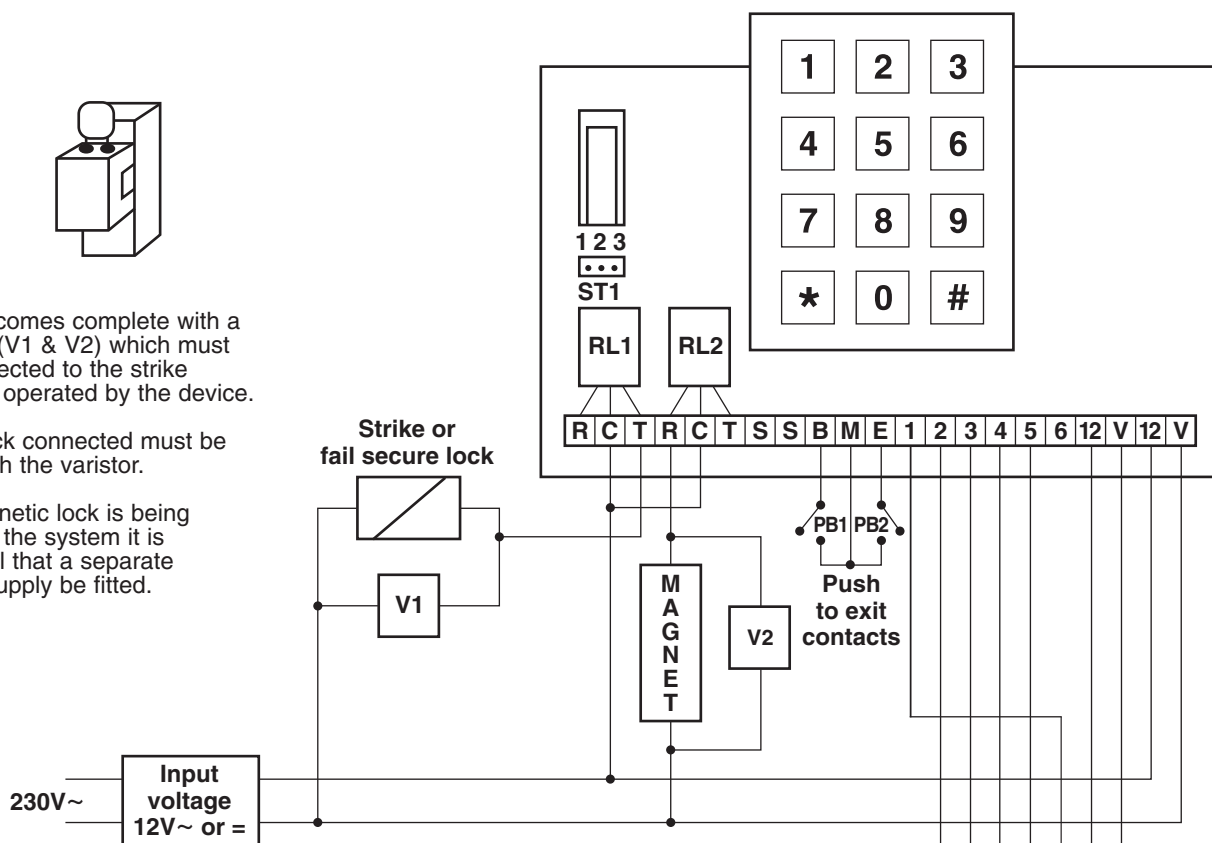
For an additional reader terminal number 1 of the controller must be wired to terminal 1 of the auxiliary reader.



This kit comes complete with a varistor (V1 & V2) which must be connected to the strike terminal operated by the device.

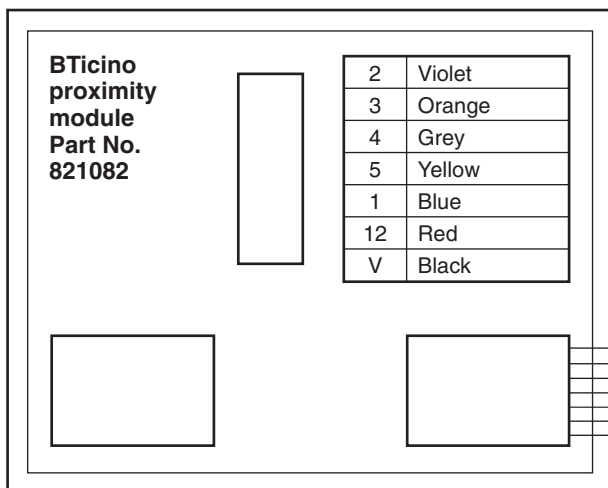
Each lock connected must be fitted with the varistor.

If a magnetic lock is being used on the system it is essential that a separate power supply be fitted.



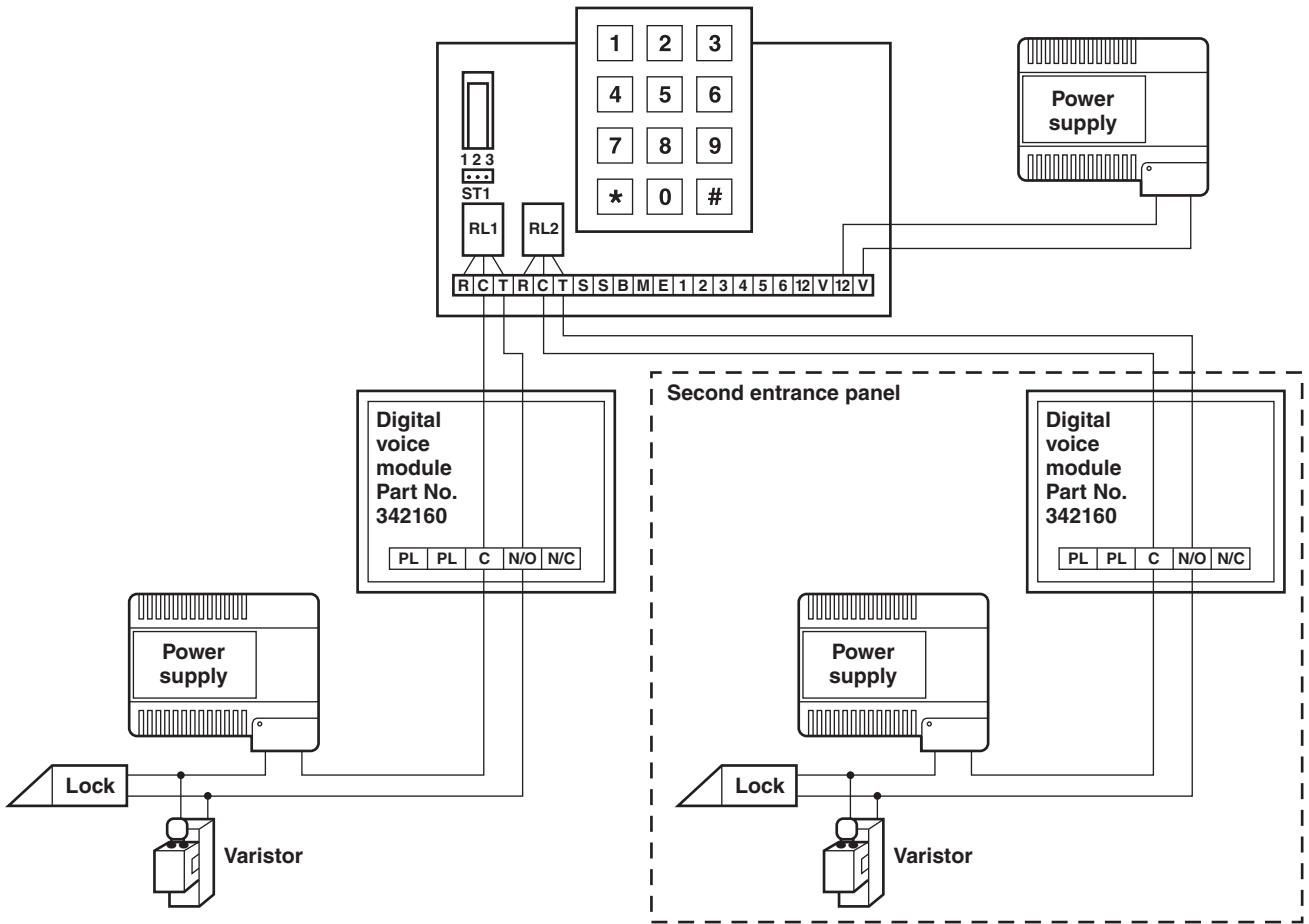
B	Push button 1 (PB1)
E	Push button 2 (PB2)
M	Common PB1 & PB2
R	N/C contact
C	Common
T	N/O contact
V1	Varistor RL1
V2	Varistor RL2
ST1	Reset jumper
S	Tamper switch
S	Tamper switch
RL1	Door 1 relay output
RL2	Door 2 relay output

12	Input voltage
V	Input voltage
2	Buzzer
3	Green LED
4	Common
5	Red LED
6	Data

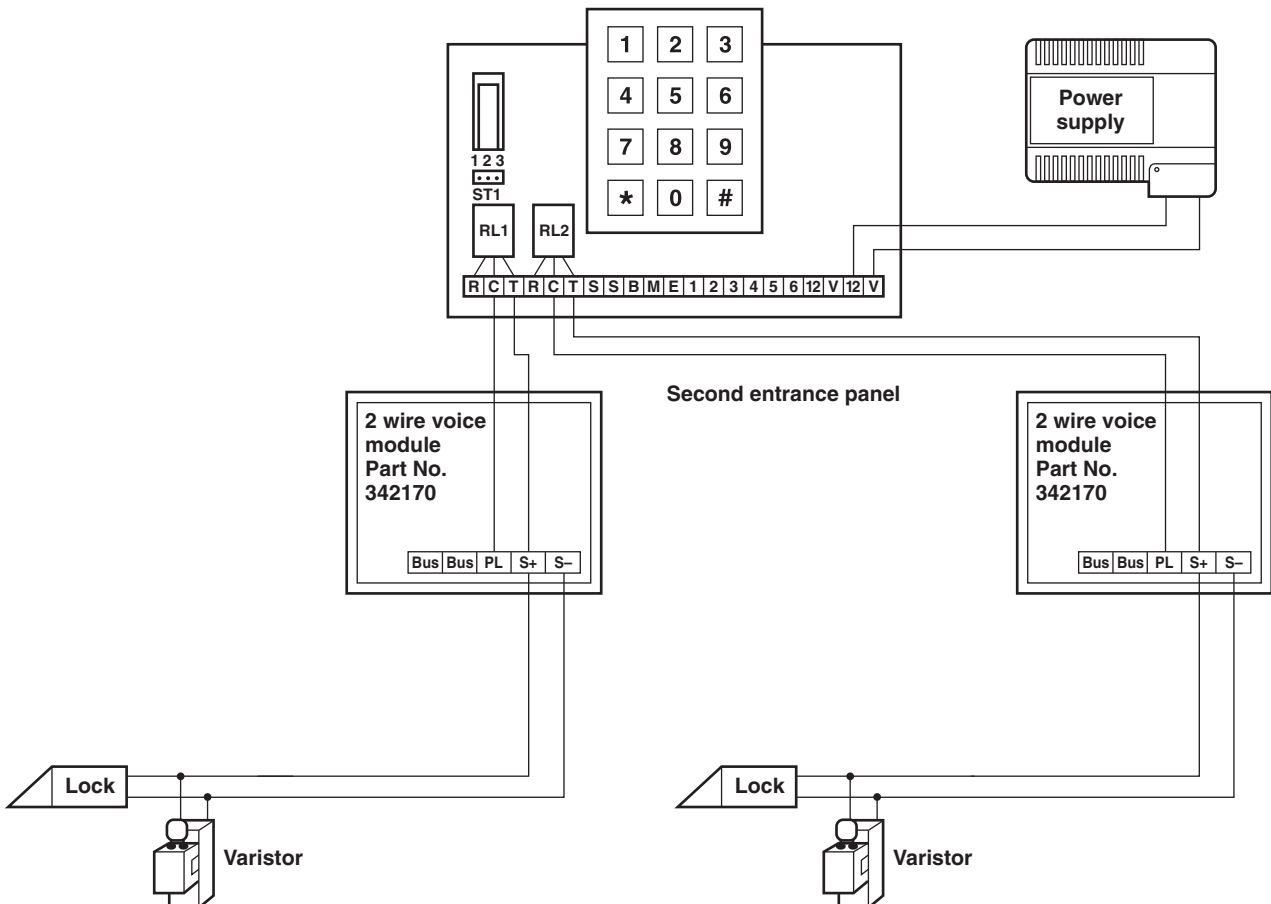


**Maximum distance 50M**

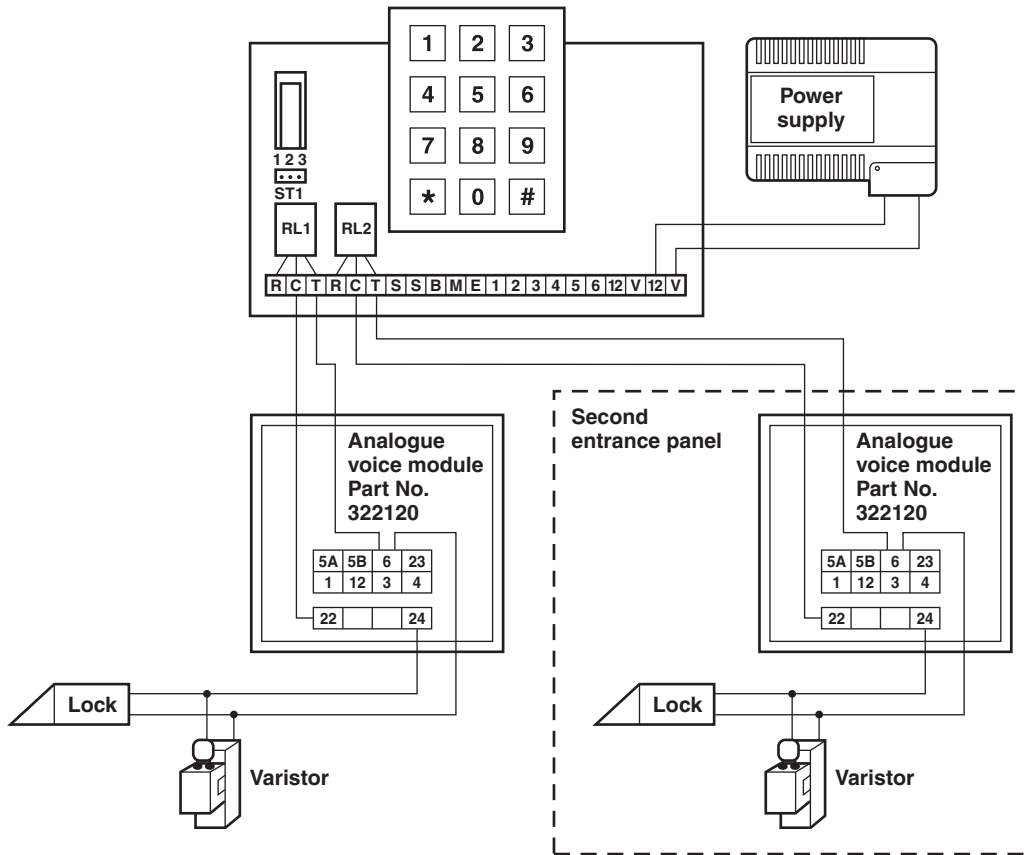
## Connection to 8 wire digital system



## Connection to 2 wire digital system



## Connection to analogue audio system



## Connection to analogue video system

