



**Timy-Tel is a Wireless Time Recording unit, using robust Radio-Frequency (RFID) contactless Badges and Fobs. Clocking-in time stamp data is transferred by GPRS or WiFi wireless to the Timy-Soft PC application, which operates under MS-Excel.**

The Timy-Tel Time Clock Recorder consists of a Samsung Android mobile 'phone with NFC (Near Field Communications) which enables it to read Timy-Tel contactless RFID Badges & Fobs.

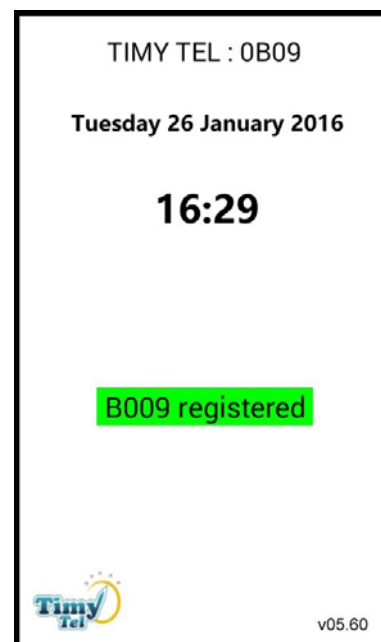
Timy-Tel can communicate from virtually any location worldwide via GPRS (mobile 'phone SIM) or a WiFi network. If GPRS is chosen, a data SIM card and subscription is required from a mobile services supplier. A WiFi connection requires only the network password.

Timy-Tel will automatically transfer Clocking Time Stamps to the Timy-Soft application and allow the user to send configuration messages to the Time Recorder by e-mail.

The Timy-Tel wall mounted Time Recorder is installed anywhere that a GPRS or WiFi network signal is available. The power requirement is AC mains (100-240v) which charges the batteries of the 'phone. If the AC power fails The Timy-Tel unit will run for 15 hours, approximately.



Swiping the badge



"Badge registered" message

## Specifications – Timy-Tel Recording Terminal

### Housing: Grey polystyrene

Dimensions mm: 220 (h) x 78 (w) x 38 (d)

Dimensions inches: 8.66 (h) x 3.07 (w) x 1.5 (d) Weight: 300 gms / 0.66 lbs (10.6 oz).

### Power: AC 100v-240v, 50-60 Hz

5.0v DC, 0.7 Watts output.

### AC/DC Power: Battery charger

AC charges internal Li-ion 2000mAh battery. If AC mains fails battery life is 15 hours, approx.

### Display: Capacitive touchscreen, 16M colours

Viewable area is 98 mm x 59 mm / 3.85 x 2.32 ins. Displays day of the week, date & time in 24h format. Optional buttons for "Break" (rest break) & "Display time stamps" (review clocking events). Large characters provide exceptional readability on the Timy-Tel Recorder display.

### Time Clock Recorder Signal: Audible Tone

Confirms the RFID-Badge reading and announces system messages.

### Badge Reader: RFID & NFC

Radio-frequency Identification and Near Field Communications. Highly secure, contactless badge swipe registration with no moving parts in the Recorder unit.

### User Badges: Credit card style badge or fob

Unique serialised RFID badge/fob for each staff member, extremely secure, very robust polyester material, ISO/IEC 7810 credit card size badges.

### Internal memory: Electronic non-volatile

Flash memory stores up to 58,000 time stamp events and securely protects data if power fails.

### System Clock: Display of Time & Date

Time accuracy of less than 1 second, synchronized automatically by the connected network. Automatic Winter/Summer time changes managed by wireless network.

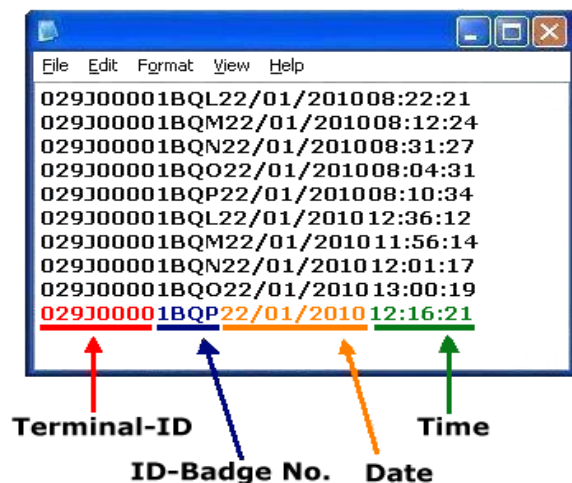
### Data Transfer: Radio Frequency (Wireless)

Time stamps are transferred by the GPRS or WiFi network to the user's email address. The user uploads data from within the Timy-Soft PC application.

The Timy-Tel Time Recorder data file is an encrypted ASCII file, in order to prevent unauthorised data modifications. Non-encrypted ASCII output is available upon request.

The data file is read by the Timy-Soft Application on all Windows computers running MS-Excel.

An example of the non-encrypted ASCII file is shown on the right:





Timy-Soft is a Time Attendance Management Software tool working under Microsoft Excel ('97-2016 versions). No license is required for the use of Timy-Soft.

The names of Employees are initially recorded along with their ID-Badge numbers. The 'clocking' data recorded by the Timy-USB Badge Reader unit are retrieved by inserting the USB-Key in the Timy-USB Reader unit and pressing the red button. Take the USB-Key to the computer and click on 'Get Clocking Data'. Timy-Soft takes care of the rest.

To display, print or correct any timesheets, simply indicate the desired time period and select the Employee. Timy-Soft displays the worksheet, as in the example below:

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	AQ
5	<b>Time Sheet for PARKES Alan Michael (Empl-No: 02)</b>																			
6																				
7	Date	Start 1	Stop 1	Start 2	Stop 2	Start 3	Stop 3	Start 4	Stop 4	Start 5	Stop 5	Hours Clocked	Absence 1	Duration	Absence 2	Duration	Correction	Duration	Net Hours	Total Week
65	28/07/2008	08:22	12:59	14:03	18:43							9.28							9.28	
66	29/07/2008	07:30	12:31	13:20	18:03							9.72							9.72	
67	30/07/2008	08:22	12:59	14:03	18:12							8.76							8.76	
68	31/07/2008	07:30	12:31	13:20	18:00							9.67							9.67	
69	01/08/2008											0.00	HOL	8.00					8.00	
70	02/08/2008											0.00							0.00	
71	03/08/2008											0.00							0.00	45.44
72	04/08/2008											0.00	VAC	8.00					8.00	
73	05/08/2008	07:30	12:35	13:45	18:11							9.51							9.51	
74	06/08/2008	08:22	12:59	14:03	18:43							9.28							9.28	
75	07/08/2008	07:30	12:35	13:45	18:12							9.53							9.53	
76	08/08/2008	07:31	12:31	13:20	16:10							7.82							7.82	
137	TOTALS											73.58							89.58	
138	TOTALS-A	VAC	8.0	HOL	8.0															

Timy-Soft can manage up to 10 'clockings' per day, per Employee (five complete work periods) and computes the daily attendance time, either compared to the clocked hours or compared to time schedule parameters. In the event that an Employee forgets to 'clock', this can be directly corrected in the timesheet. Such corrections are indicated in **bold** to distinguish them from 'clockings' originating from the Timy-USB Badge Reader.

Timy-Soft offers a series of functions to simplify any corrections and to save time. To know quickly 'what does not go' in a given period, click on the button 'Search Errors', chose the types of errors that of interest and the software shows the result in the 'Error Report' as below:

	A	B	C	D
1	Family Name	First Names	Date	Error type
2	BRIDGES	Peter James	02/08/2008	Absent without Reason
3	CLEMENTS	Mary	02/08/2008	Absent without Reason
4	GRANGE	Alice	02/08/2008	Absent without Reason

A simple mouse click on an 'Error' enables Timy-Soft to allow manual correction:

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	AQ	
5	<b>Time Sheet for PARKES Alan Michael (Empl-No : 02)</b>																				
6																					
7	Date	Start 1	Stop 1	Start 2	Stop 2	Start 3	Stop 3	Start 4	Stop 4	Start 5	Stop 5	Hours Clocked	Absence 1	Duration	Absence 2	Duration	Correction	Duration	Net Hours	Total Week	
12	05/04/2010	07:57	18:03																		
13	06/04/2010	07:15	18:01																		
14	07/04/2010	07:37	18:31																		
15	08/04/2010	07:17	17:51																		
16	09/04/2010	07:19	18:03																		
17	10/04/2010																				
18	11/04/2010																				
19	12/04/2010	07:15	18:01																		
20	13/04/2010	07:37	18:31																		
21	14/04/2010	07:17	17:51																		
22	15/04/2010	07:19	18:03																		
23	16/04/2010	08:02	16:19																		
24	17/04/2010																				
25	18/04/2010																				
69	TOTALS																				
70																					
71																					
72																					

**Add or Modify Time Stamps** [X]

Click here to shift the Time Stamps to the RIGHT      Transfer the first Time Stamp of the next day to this day

Shift >>      Midnight X-Over

Click here to shift the Time Stamps to the LEFT      Click here to define Truncation

Shift <<      Time Parameters

Enter/Modify Time Stamp + Enter Key     

Close

It is easy to enter any missing 'clocking' in the first empty box, and the correction is done! Timy-Soft automatically corrects 'clocked' hours and puts them in chronological order.

To facilitate preparation of the payroll, Timy-Soft can create summaries for any period 'date-to-date' with totals of the true 'clocked' hours (except adjusted and round-offs), calculated hours ('clocked' hours corrected by adjustments or round-offs + compensated absences and corrections) and totals of all the absences and corrections applied over the period.

	A	B	C	D	E	F	G	H	I
1	Summary	Period:							
2	28/07/2008	08/08/2008							
3	Family Name	First Name(s)	Empl-No	Time Clocked	Time Calculated	VAC	SIC	UNP	HOL
4	BRIDGES	Peter James	03	68.21	80.21		4.00		8.00
5	CLEMENTS	Mary	09	70.93	78.93				8.00
6	GRANGE	Alice	10	61.86	69.86				8.00
7	MARTINS	Sandra	05	73.74	77.74				4.00
8	MORRIS	Sophia	07	63.11	67.11				4.00
9	PARKES	Alan Michael	02	73.58	89.58	8.00			8.00
10	PLEASANCE	Agnes	01	45.65	53.65				8.00
11	REEVES	Peter	04	72.06	76.06				4.00
12	SMITH	John	08	79.79	87.79				8.00
13	VALENCE	Lucas	06	77.06	77.06			8.00	
14	TOTALS			685.99	757.99	8.00	4.00	8.00	60.00