

1. INTRODUCTION

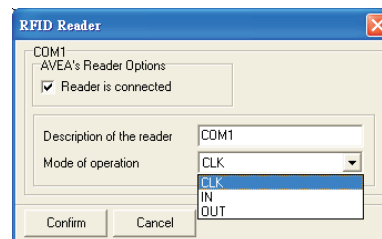
The TL2730U proximity access controller is a cost effective solution for 2,728 users for access control and time recording

A **9 to 12V DC** supply is required to power the reader, which has a current consumption of less than **300mA** (**600mA for dual reader**).

There are three modes of operation, in Setup / Reader :

A. IN Mode - Single reader

use TL2730U for entrance +
PC based TIME LOGGER (with PC ON)
For audit trail and attendance reports



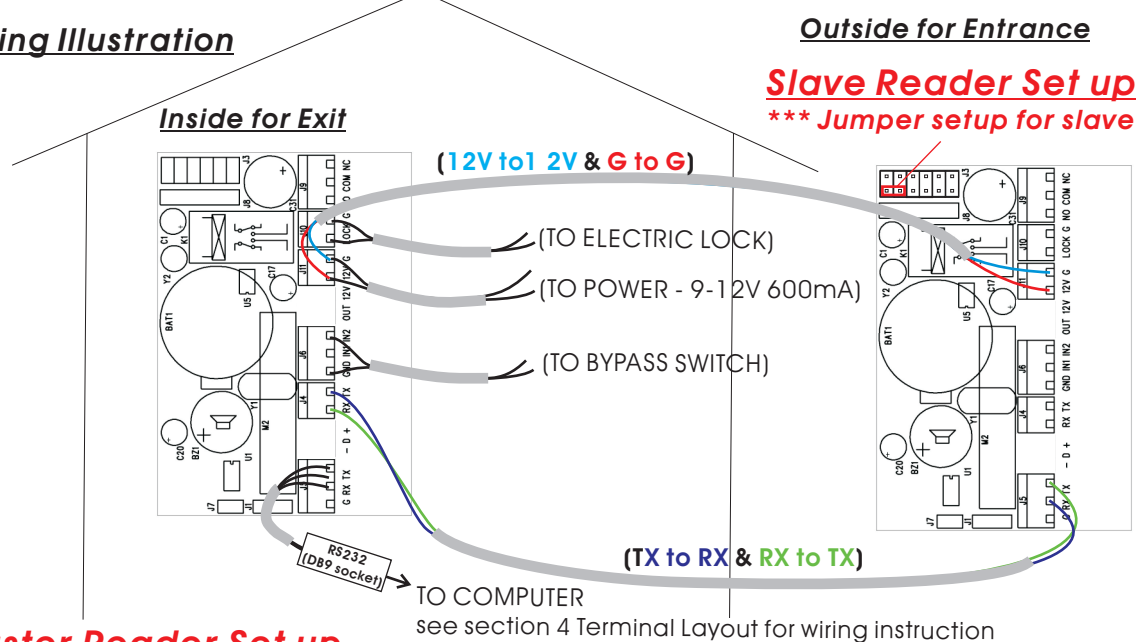
In this mode, only a single controller is installed outside the premises. An **Electric strike** can be connected. A **bypass switch** is installed inside the premises, pressing it will release the strike. While connecting the TL2730U's **RS232 port** to the computer and running the Time Logger software (Windows), the program will stamp the clocked date, time and card ID into the computer database and show up the associated picture with the specific ID on the computer screen for attendance reports.

B. OUT Mode -Dual reader

use a TL2730U for **Entrance** + another TL2730U for **Exit**
+ **PC based TIME LOGGER (with PC ON)**

In this mode, one TL2730U is installed outside the premises for entrance. Another TL2730U is installed inside the premises for exit. An electric strike and a bypass switch are connected to the OUT reader (for exit) inside the premises. Pressing the bypass switch or presenting the authorized cards will release the strike. Clocked data will be sent from both the IN and OUT reader to Time Logger's database if connection is good.

Wiring Illustration



Master Reader Set up

- *** Setup the jumper blocks according to section 3
- *** Setup the MASTER & ACTION card from the master reader
- *** Use the ACTION CARD to authorize the ID cards

Mode of operation in Setup/ Reader
in Time Logger = OUT

C. CLOCK Mode - Single reader, all logged records will be stamped as clock entries.

2. QUICK START

2.1 Configuring the jumper blocks according to your needs (see section 3).

2.2 Set up your MASTER and ACTION card according to appendix A - section 1. Remember to remove the CLRM jumper after setting up the MASTER and ACTION card.

2.3 Remove all authorized key card (see appendix A - section 4).

Present an authorized card to the TL2730U, the green LED and relay will turn on as set by TMR0, TMR1 and TMR2 with a beep sound. On the other hand, if an unauthorized card is presented to the TL2730U, the green LED and the relay will have no action but with a long beep sound.

An input contacts is provided, if it is shorted, the unit will respond the same as an authorized card read.

Goto 2.6 if use the Time Logger for granting authorization, keeping card information and reporting (See section 3.5 and 4.2 in Time Logger's User Manual for details).

2.4 Use the ACTION card to authorize the ID cards (see appendix A - section 3).

2.5 Record the authorized ID card number and the associated personnel. This is for removing the authorized card number in case of card losing.

2.6 Power off the reader

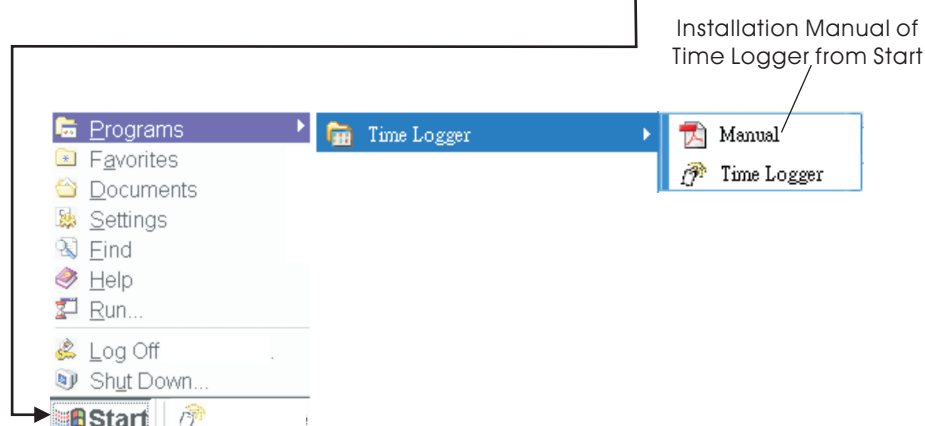
2.7 Connect the RS232 cable (straight through) from the computer to the terminal block of RS232 port. (See Terminal Layout)

2.8 Power on the reader

2.9 Turn on the computer.

2.10 Insert the Time Logger CD into your computer's CD-ROM drive. The Installer will start by itself automatically. If the Installer doesn't start automatically, you can run the setup.exe program to install the software.

2.11 The detailed installation manual for the Time Logger will be automatically installed into your computer when you install the application software. Follow the installation instruction to finish the installation and follow the Installation Manual of Time Logger from *Start* for details of Time Logger's Setup.



Time Logger Quick Start

2. **Login** the Time Logger to start **SETUP**

1. Setup the **password** for **LOGIN** first

4. Define the **workgroup**

3. Setup the **RFID reader**
Present the ID cards to the reader, if the com port set up correctly, the record will be shown on the screen

5. Insert the CD ROM to the computer to **ADD Cards** and **Edit Card Information**

6. Uploading the **authorization table** to the reader

3. JUMPER SETTING

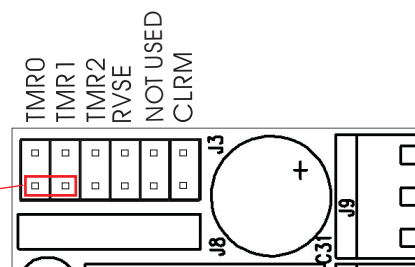
There is a 5-position jumper block for configuring the operation of the unit.

JUMPER POSITION	FUNCTION
TMR2	To select the relay on time with authorization granted.
TMR1	
TMR0	
RVSE	ON: to reverse the operation of the relay.
CLRM	ON: to clear the MASTER and ACTION card memory.

TMR2	TMR1	TMR0	FUNCTION
OFF	OFF	OFF	Relay on for 1 second on authorization granted.
OFF	OFF	ON	Relay on for 2 seconds on authorization granted.
OFF	ON	OFF	Relay on for 5 seconds on authorization granted.
OFF	ON	ON	Relay on for 10 seconds on authorization granted.
ON	OFF	OFF	Relay on for 20 seconds on authorization granted.
ON	OFF	ON	Relay on for 50 seconds on authorization granted.
ON	ON	OFF	Relay on for 100 seconds on authorization granted.
ON	ON	ON	Relay state is toggled on each authorization granted.

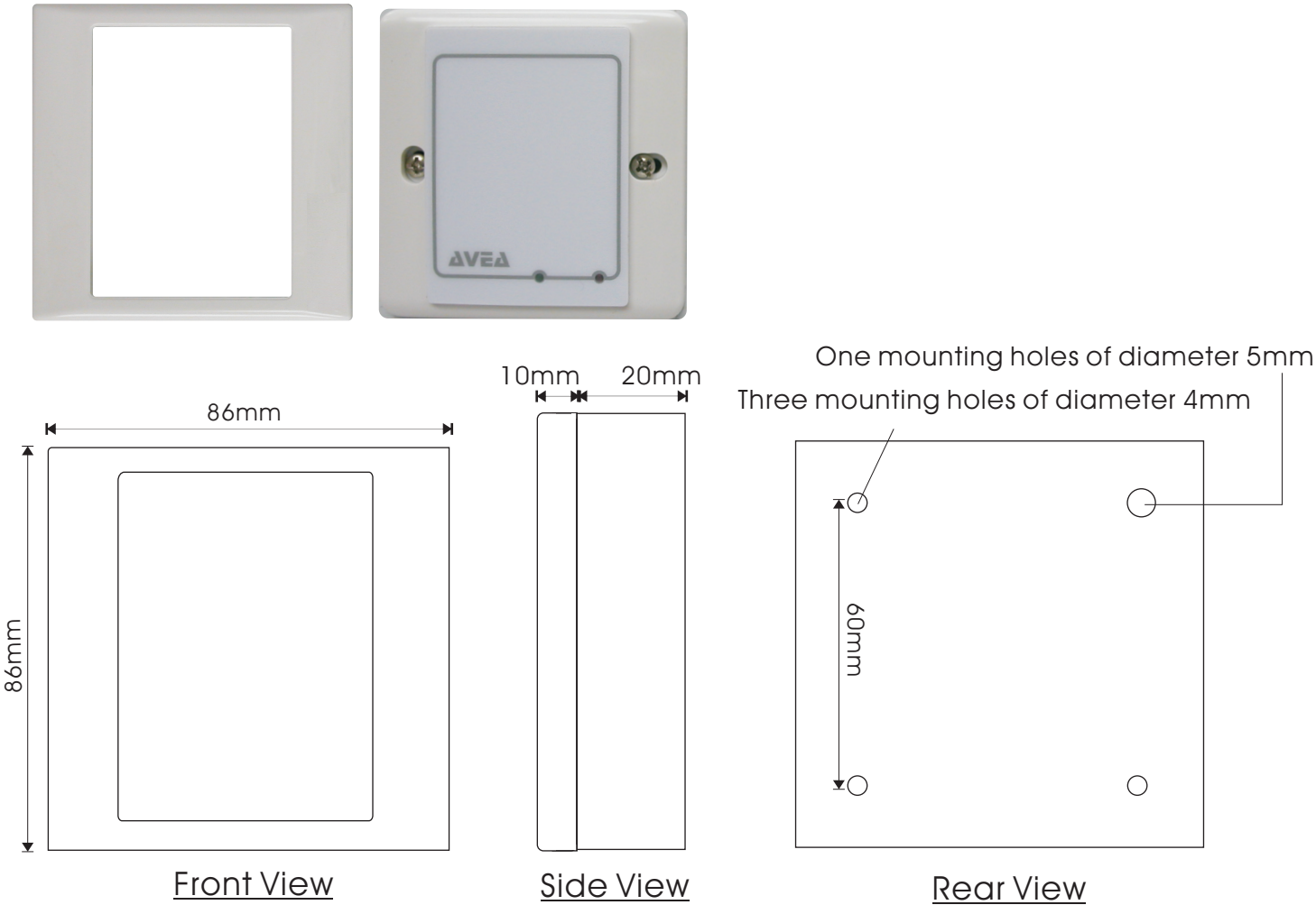
* ON : Jumper shorted, OFF : Jumper opened

*** Jumper setting for slave reader



4. DIMENSIONS AND TERMINAL LAYOUT

Dimensions



Terminal Layout

