

# AV-706 & AV-701 Keypads

## INSTALLATION INSTRUCTIONS

Item 4713 (A5DS)

### Description

The AV-706 and AV-701 are 4-wire Remote Control Station and Programmer Keypad compatible with EasyLoader™ Control Panels. AV-706 fits the Dublo & PRO alarm panels.

The AV-706 and AV-701 keypads are easy to install and operate. Large 7-Segment (AV-701) and high-contrast LCD (AV-706) display provides vivid readout for all control panel's information and zone identification. For AV-706 model refer to the programming and setup manual.

### Installation Instructions

- ❑ Handle keypad with clean hands
- ❑ Do not use unnecessary force in opening and closing the keypad
- ❑ Pull off the protective sheet from upper panel after the installation is complete

#### Step One: Opening the keypad

Locate the two rectangular tabs on the top of the keypad (about 35 mm / 1.5 inches from each side). Press down on both tabs firmly and pull front panel of keypad toward you from the top (see Figure 1.)

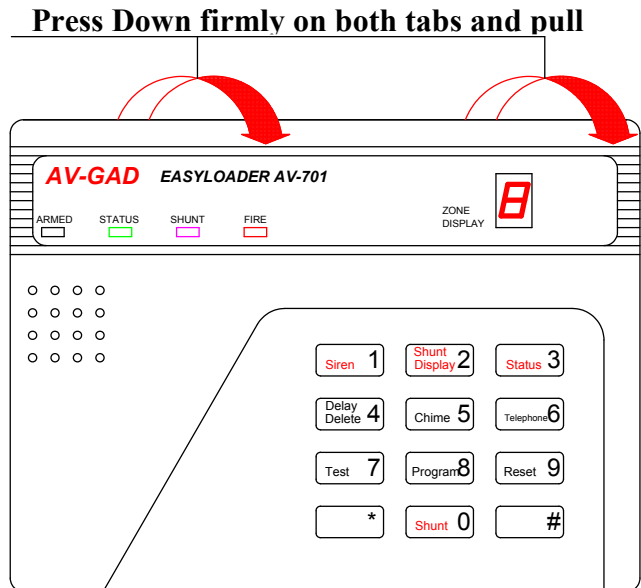


Figure 1: Opening the keypad

#### Step Two: Mounting onto Wall

Place the keypad on wall, at 1.5-1.8 meters height. Make sure the two “UP” arrows word, are upwards. Attach housing to wall with flat-head screws (use screws that are suitable for the wall material).

Before affixing to wall, make sure all wires have been inserted through the opening in the rear housing. If wires come up from the floor, they may be inserted through the square slot on the left side of the rear housing. (Use a small screwdriver for opening the slot with a twisting action.)

#### Step Three: Wiring

Disconnect AC and Battery power before wiring. Insert wires through the opening in the rear housing. (Note maximum wire lengths in the following table. The AV-706 keypad maximum wiring length is 200 meters.) Make sure keypad wires are as far away as possible from telephone and high power radio transmitter or other electrically “noisy” wires or appliances. For longer run distance use thicker wire, e.g. 1 mm<sup>2</sup>.

**It is recommended to run keypad wires separately in a 4 or 6 wire cable. Do not run telephone, sensors or main electric wires in the same cable or electric pipe.**

Keypad Terminal	Function	Alarm Panel Wire Terminals			
		AV-2016	AV-2004/48	AV-3004/48	AV-2008
OR	Data	OR	OR	OR	OR
YE	Strobe	YE	YE	YE	YE
+12V	+ Power	+12V	+12V	+12V	+12V
-12V	- Power	-V	-V	-V	-V
Max. Cable (6 x 0.5 mm) length		150 meters	100 meters	100 meters	150 meters

## Installation Instructions AV-706 & AV-701

### **Step Four (optional): Connecting more than one keypad**

For connecting more than one keypad to the same control panel, first refer to the “Control Panel Manual” for maximum keypads allowance. Connect all keypads in parallel to the control panel, by running wires from each keypad directly to control panel. **Don’t** run wires from one keypad to another and then to control panel – this wiring way cause problems.

### **Step Five: Closing the keypad**

Before closing, check the keypad(s) to make sure they operate properly, arrange wires to be compact as possible at the rear housing, left side.

To connect the front keypad to mounted part, fit the two lower slots (note 2 at fig.2) onto the two protruding tabs on the mounted bottom part, push front part forward and press firmly until top slots and tabs snap together. Make sure that all sides are securely closed.

Note: There are two additional small tabs on upper and lower inner sides of the housing. These tabs ensure tighter closure. However, if you encounter difficulty in closing the unit, you can cut off the tabs (note 1 at fig. 2). This will release the closure.

*Note 1: Two additional small tabs for tighten closure*

*Note 2: Fit the two slots onto the two protruding tabs*

### **Back Illumination**

The 706 and 701TI/701TIP keypads feature timed back illumination. Two LED’s backlight dimly illuminates the keypad’s key when keys are not active.

Pressing any key will increase brightness of backlight, which will remain bright for about 10 seconds for 701TI/TIP and 60 seconds for all 706 keypads (after last key is pressed). This feature requires no additional wiring.

When keys are fully lit, current consumption rises by 50 mA. AV-701TI current consumption with dim lighting: 90 mA, AV-706 consumption: 130 mA.

### **Tamper Switch**

The models AV-701TIP and AV-706TP feature a tamper switch, which requires one additional wire. Connect to TMP and -V on the wire terminal.

Wire the tamper to any zone programmed as Tamper, Day or 24H zone type. Upon opening the keypad housing the tamper switch will activate the connected zone.

### **Ordering Information**

**AV-701TS:** Semi - Illuminated keypad

**AV-701TI:** Timed Illuminated keypad

**AV-701TIP:** Timed Illuminated keypad + Tamper

**AV-706:** LCD Illuminated keypad

**AV-706TP:** LCD Illuminated keypad + tamper

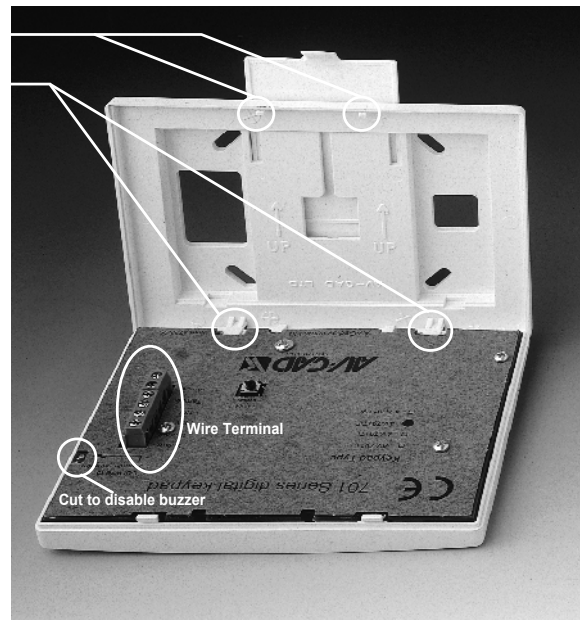


Figure 2: Closing the keypad



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For operating and programming instructions, please refer to your “Easyloader” operating and installation manual.  
AV-706 keypads are compatible only with PRO & Dublo control panels.