

# Access Key-Switch

## Key Switch Control of Access Levels

This Tech sheet shows how to use a key-switch as an alternative to passwords for changing between level-2 and level-1 access levels.

The control key-switch is connected to the display board inputs. The switch is wired such that when the contacts close the access level will change from level-2 to level-1 and so inhibit the Reset, Silence and Evacuate control keys.

### PC Configuration of the Key-Switch

All display board inputs are fully programmable. To program this mode of operation from a PC, click on the "On-Board" icon below the panel, and then double-click on "Panel S/W-8". Change the "Input Action" to "Key Lock" as shown below. It's also worth changing the Device Location Text to "ACCESS KEY" or similar as a reminder that this input has a special function.

Application Note

The screenshot shows the 'Mx Series Configuration Software' interface. The 'Device Information' tab is active, showing a table of device configurations. The 'Device Details' window is open for 'Panel S/W-8', showing the 'Input Action' set to 'Key Lock' and 'Input Latched' unchecked.

Site List	Address	Type	Device Location Text	Zone
4100 Net ID 1	Panel S/W-4	Switch		100
On-Board	Panel S/W-5	Switch		100
Loop 1	Panel S/W-6	Switch		100
	Panel S/W-7	Switch		100
	Panel S/W-8	Switch	ACCESS KEY	100

**Device Details - Address 10 Sub Address 7 Switch**

Input Action: Key Lock SSM/Clock No. Unused Mode: Sensitivity Adjust Mode  
Trigger Mode: Active High  Allow Investigation Delay  
 Flash LED On Poll  
 Input Latched  
Delay (s): 0

Ensure that the "Input latched" box is left unchecked.

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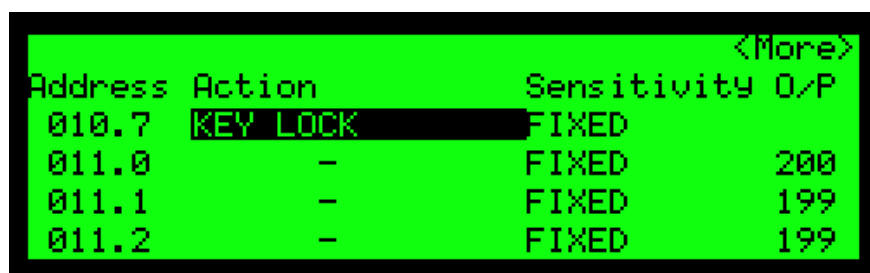
## Manual Configuration of the Key-Switch.

If a PC is not available, this function can alternatively be programmed manually using the keypad as follows: -

When in level '3' under 'Commission Menu 2' select the 'PANEL' option from Menu.

Scroll down until switch 10.07 is highlighted and then step right until the highlight is under 'Device Text'. Press the ✓ key and enter a text description e.g. 'Access Key'.

Step right again until cursor is under 'Action'. Press ✓ key and scroll down list until 'KEY LOCK' is highlighted, then press ✓. The new action will be confirmed on the display e.g.



Address	Action	Sensitivity	O/P
010.7	KEY LOCK	FIXED	
011.0	-	FIXED	200
011.1	-	FIXED	199
011.2	-	FIXED	199

Exit all menus and Exit to level 2 and check function of Key Switch.

## Operation

During commissioning, leave the key-switch in the enable position (The panel will always allow the control keys to function while it is being commissioned).

The key-switch is allowed to function as soon as the panel is moved from commissioning to access level 2. It can then be used to move between access levels 1 and 2 as required.

The password entry system is still available in case the key is lost, however this method should not normally be used – ideally personnel issued with a key should not be given a user password.

Moorland House : Nelson Park : Cramlington  
Northumberland : NE23 1WE  
Tel: +44 (0)1670 707 111  
Fax: +44 (0)1670 707 222  
www.Advel.co.uk Email: Sales@Advel.co.uk



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